



National Institute on Alcohol Abuse and Alcoholism

National Institute on Alcohol Abuse and Alcoholism  
Division of Biometry and Epidemiology  
Alcohol Epidemiologic Data System

## SURVEILLANCE REPORT #47

### APPARENT PER CAPITA ALCOHOL CONSUMPTION: NATIONAL, STATE, AND REGIONAL TRENDS, 1977-96

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## HIGHLIGHTS

This surveillance report on apparent per capita alcohol consumption in the United States is the 13th in a series of consumption reports produced annually by the National Institute on Alcohol Abuse and Alcoholism (NIAAA). Findings are based on alcoholic beverage sales data, either collected directly by the Alcohol Epidemiologic Data System (AEDS) or provided by beverage industry sources. Population data provided by the U.S. Bureau of the Census are used to calculate per capita rates. The following are highlights from the current report which updates consumption trends through 1996:

- After a 1.8 percent decrease in per capita consumption in 1995, per capita consumption of ethanol from all alcoholic beverages combined increased by 0.9 percent in 1996 (2.19 vs. 2.17 gallons ethanol). Although per capita consumption in 1996 is second only to 1995 in being the lowest in 34 years, the 1996 increase represents the third increase to occur in the 1990s. Per capita consumption estimates of wine increased in 1996 (0.30 vs. 0.29 gallons ethanol), while per capita consumption of beer and spirits remained stable at 1.25 and 0.64 gallons ethanol, respectively.
- Changes between 1995 and 1996 in overall per capita alcohol consumption among the States and the District of Columbia included increases in 29 States, decreases in 14 States and the District of Columbia, and no change in 7 States. This contrasts strongly with 1995 when per capita consumption decreased in 39 States, increased in 10 States, and did not change in one State and the District of Columbia.
- Regional analysis of 1996 per capita alcohol consumption indicated overall per capita increases in the South (1.9 percent) and West (0.9 percent) census regions, but no changes in either the Northeast or the Midwest.
- With the 1996 increase in overall per capita ethanol consumption, the prospect of reaching the Year 2000 national objective of reducing per capita consumption to no more than 2 gallons ethanol looks less promising. To meet the Year 2000 objective, total per capita ethanol consumption must decrease by 8.7 percent, or an average of 2.2 percent annually through the rest of the 1990s and the Year 2000.

## INTRODUCTION

This surveillance report on per capita consumption of alcohol in the United States is the 13th in a series of reports (Williams et al. 1997, 1996, 1995, 1994, 1993, 1992, 1991a, b; Brooks et al. 1989; Steffens et al. 1988; Laforge et al. 1987; Doernberg et al. 1986) that examine alcohol consumption trends on a national, State, and regional basis. Like previous reports on per capita alcohol consumption, it is intended to provide updated alcohol information for policymakers, health care providers, researchers, and others concerned about alcohol issues. This report adds coverage for 1996 and was prepared by AEDS staff under the supervision of NIAAA's Division of Biometry and Epidemiology. Other new surveillance reports prepared by AEDS and NIAAA staff include trends on

alcohol-related fatal traffic crashes (Yi, et al. 1998), and liver cirrhosis mortality (Saadatmand et al. 1998).

Major findings in this report are presented in three sections. The first section presents national data on trends in beer, wine, and spirits consumption, as well as of all alcoholic beverages combined. The second section presents data on alcohol consumption trends for individual States. States also are ranked in deciles according to total ethanol consumption. The third section presents data on consumption trends for each type of beverage and all beverages combined for the Northeast, Midwest, South, and West, regions defined by the U.S. Bureau of the Census. Section four on estimates of per-drinker alcohol consumption among the States and the District of Columbia is omitted from this report. The Centers for Disease Control and Prevention (CDC) only use the drinking items module of

the Behavioral Risk Factors Survey (BRFS) on alternate years. Thus, data on the proportion of abstainers, or non-drinkers, in each State is not available for 1996 (personal communication, CDC, 1996).

### Sources and Limitations of Data

Appropriate interpretation of the data in this report requires the following information:

- AEDS attempts to obtain alcoholic beverage sales data from every State and the District of Columbia because sales data more accurately reflect annual consumption of alcoholic beverages than production and shipments data from beverage industry sources. This is because annual sales data are closer to the point of consumption than are shipments data. AEDS received beverage sales and/or tax receipts reports for 1996 from 23 States and the District of Columbia (21 States for beer, 20 States for wine, and 18 States for spirits). For the remaining States, shipments data from major beverage industry sources (Beer Institute 1997; Distilled Spirits Council of the United States, Inc. 1997; Steve Barsby & Associates, Inc. 1997) were used for the numerator to calculate per capita consumption. Although sales and tax receipt data tend to provide slightly lower per capita estimates (about .01 to .02 points per capita), the mixed use of data from sales and shipments sources appears to have little effect on overall trends in per capita alcohol consumption (Campbell et al. 1994). State and other population estimates for persons ages 14 and older were obtained from the U.S. Bureau of the Census' Internet site and used as the denominator data to calculate the per capita consumption figures.
- AEDS uses a drinking population age 14 and older to calculate per capita consumption rates. Although age 14 is below the minimum legal age for the purchase of alcoholic beverages throughout the United States, most self-report surveys indicate that many 14 year-olds drink alcoholic beverages. Data in the 1992 National Longitudinal Alcohol Epidemiologic Survey (NLAES) indicate that 7.2 percent of current drinkers age
- 18 and older started drinking before the age of 15 (AEDS 1997). Results from the *Monitoring the Future* survey in 1996 (Johnston et al. 1997) indicate that nearly half (46.5 percent) of eighth graders (13 to 14 year-olds) reported past-year use of alcohol (i.e., beyond a few sips).
- AEDS uses an estimate of average ethanol content in the alcoholic beverages to convert the gallons of sold or shipped beer, wine, and spirits into gallons of ethanol (pure alcohol) before calculating per capita estimates. The conversion coefficients (i.e., proportion of pure alcohol for each beverage type) are 0.045 for beer, 0.129 for wine, and 0.411 for spirits (Doernberg and Stinson 1985). In the process of developing a new AEDS Data Reference Manual on per capita consumption of alcohol for the years 1970 through 1994 (Stinson et al. 1997), it was discovered that the conversion factor for spirits was inadvertently changed to 0.414 for the year 1986 and subsequently used through 1993. The data in this report and the previous two surveillance reports (Williams et al. 1997, 1996) have been corrected. Readers should refer to the data in the AEDS Data Reference Manual on per capita alcohol consumption (Stinson et al. 1997) for per capita consumption estimates prior to 1994. Except for 1992, the conversion factor error for spirits had little effect on trends for either spirits or total per capita ethanol consumption. Even in 1992 the change in per capita ethanol consumption was minimal, with only an increase of 0.4 percent over 1991, versus the previously reported no change in 1992.
- The introduction of "light" beer, "light" wines, and coolers (both wine and spirits) in recent years may have slightly lowered the average ethanol content in some alcoholic beverages. For example, Kling (1991, 1989) suggests decreases in the ethanol content of spirits during the 1980s. However, such decreases may be offset by the increase in sales of drinks with higher ethanol content, such as premium brand liquors, fortified wines, malt liquors, and locally produced beers and ales (microbrews). "Ice beers" and "dry beers" of recent years, for example, both contain

higher ethanol averages than either premium or “light” beers (M. Shanken Communications, Inc. [M. Shanken] 1994). Therefore, any decrease in the average net ethanol content across all beverages has probably been minimal and not large enough to alter the trends in overall per capita consumption.

- In this report, AEDS uses the year 1977 as the base year for most of the comparative analyses. AEDS began collecting and calculating per capita consumption estimates from actual sales and/or tax receipt reports from individual States in 1977. Per capita consumption estimates in some States can be inflated by such factors as cross-border sales to buyers from neighboring States. Other factors that may influence per capita differences in consumption among States are age distributions of State populations, the extent of tourist and recreational trade, dry jurisdictions, types of off-premise outlets (e.g., grocery and convenience stores), general attitudes toward drinking, and the percentage of non-drinkers, or abstainers, in the States.
- Finally, individuals familiar with survey reports and other scientific literature often are accustomed to the presentation of significance tests, or confidence intervals, on any data comparisons or trends. However, when the data are based on total actual sales and/or shipments (i.e., 100 percent), as is the case in the present report, there is no sampling. Thus, without sampling error, no confidence intervals or measures of statistical significance need be reported. Nonetheless, it is important to note that these data are still only estimates and may be subject to reporting error. Some other important cautions regarding the use of the per capita alcohol consumption estimates are noted in the latest AEDS Data Reference Manual (Stinson et al. 1997).

## NATIONAL DATA

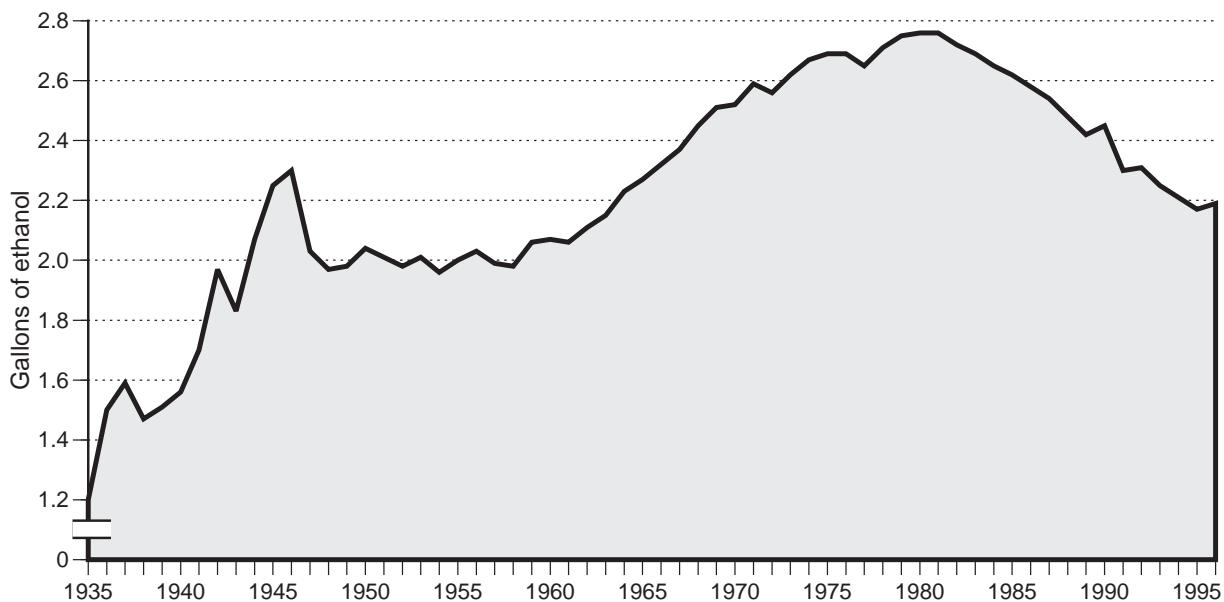
### Background

Long-range trends on apparent per capita ethanol consumption by beverage type provide a historical perspective on national patterns of

alcoholic beverage consumption. Excluding the years of Prohibition, table 1 (located at the end of this report) presents per capita estimates of consumption for beer, wine, spirits, and all beverages combined for the years 1850 to 1996. Figure 1 presents an area graph of per capita ethanol consumption in the United States for all alcoholic beverages combined for the years 1935 through 1996. A population base of age 15 and older was used in the per capita estimates through 1969, and different conversions to pure alcohol, or ethanol, were used within the beverage types prior to 1977 (Doernberg and Stinson 1985).

Table 1 shows that per capita ethanol consumption between 1850 and 1900 varied somewhat but decreased by 1.9 percent between those years. Total per capita consumption of ethanol decreased by 18 percent from 1901 to 1919, indicating a decrease in alcohol consumption prior to Prohibition. However, after Prohibition, from 1934 to 1939, total per capita consumption of ethanol increased by 55.7 percent. As shown in figure 1, two distinct peaks in per capita consumption occurred during the 1940s, one in 1942 and one in 1946, resulting in an overall 26.9 percent increase in consumption. From 1950 through 1959, there were slight annual increases and decreases, with a very small increase of 1 percent in overall ethanol consumption. However, in the 1960s there was a fairly rapid increase in alcohol consumption (21.3 percent), followed by a moderate 9.1-percent increase in the 1970s. During the 1980s per capita alcohol consumption decreased 12 percent, the only sustained decrease since Prohibition. Apparent per capita consumption of alcohol in 1990 increased by 1.2 percent from 1989, ending a decline that lasted through the 1980s. However, this 1990 increase was an anomaly caused by a late surge in sales in the last quarter of 1990, a result of the new Federal Excise Tax (FET) increases on alcoholic beverages in 1991 (Jobson Publishing Corporation 1992). In 1991 overall per capita alcohol consumption dropped by 6.1 percent (from 2.45 to 2.30 gallons ethanol). Per capita

**Figure 1.** Total per capita ethanol consumption, United States, 1935–96.



consumption increased marginally in 1992 (0.4 percent) to 2.31 gallons ethanol, partially rebounding from the decrease in 1991.

Between 1992 and 1993 overall per capita consumption decreased by 2.6 percent (from 2.31 to 2.25 gallons ethanol), and between 1993 and 1994, per capita consumption dropped by 1.8 percent. Between 1994 and 1995 overall per capita consumption declined by another 1.8 percent, but, between 1995 and 1996 overall per capita alcohol consumption again increased (0.9 percent), representing the third annual increase during the 1990s. From 1990 to 1996, however, overall per capita consumption has decreased by 10.6 percent.

#### Apparent Per Capita Alcohol Consumption, 1977–96

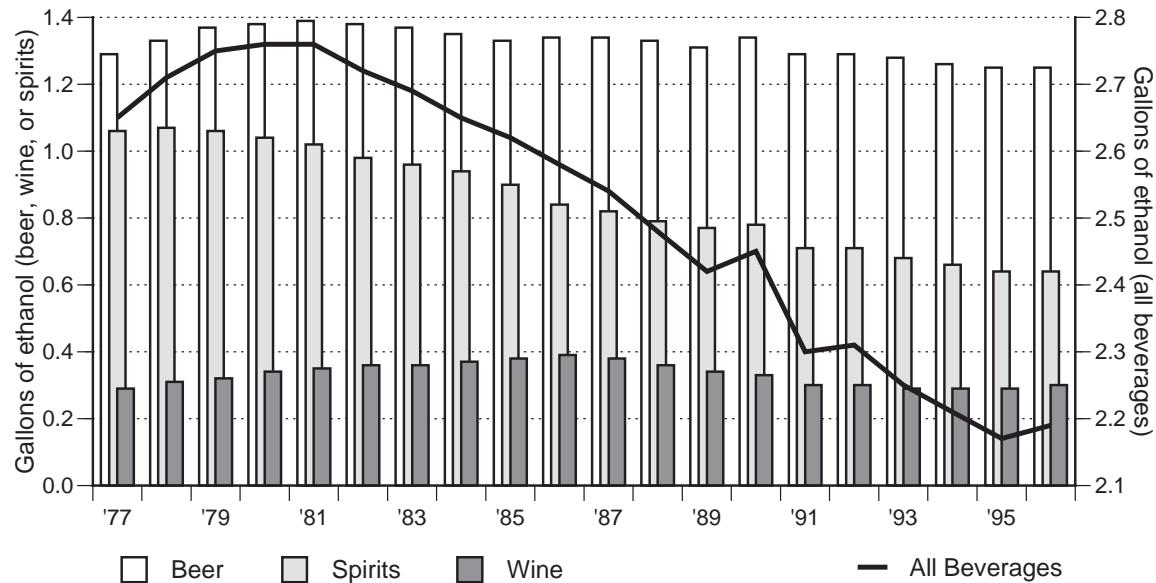
Figure 2 presents separate per capita ethanol consumption estimates for beer, wine, and spirits for 1977 through 1996. Between 1995 and 1996, per capita consumption of beer remained stable at 1.25 gallons ethanol, per capita consumption of wine increased from 0.29 gallons ethanol to 0.30 gallons ethanol, and per capita consumption of spirits was unchanged at 0.64 gallons ethanol. Per capita

consumption of spirits in 1995 and 1996 is at its lowest level since 1939.

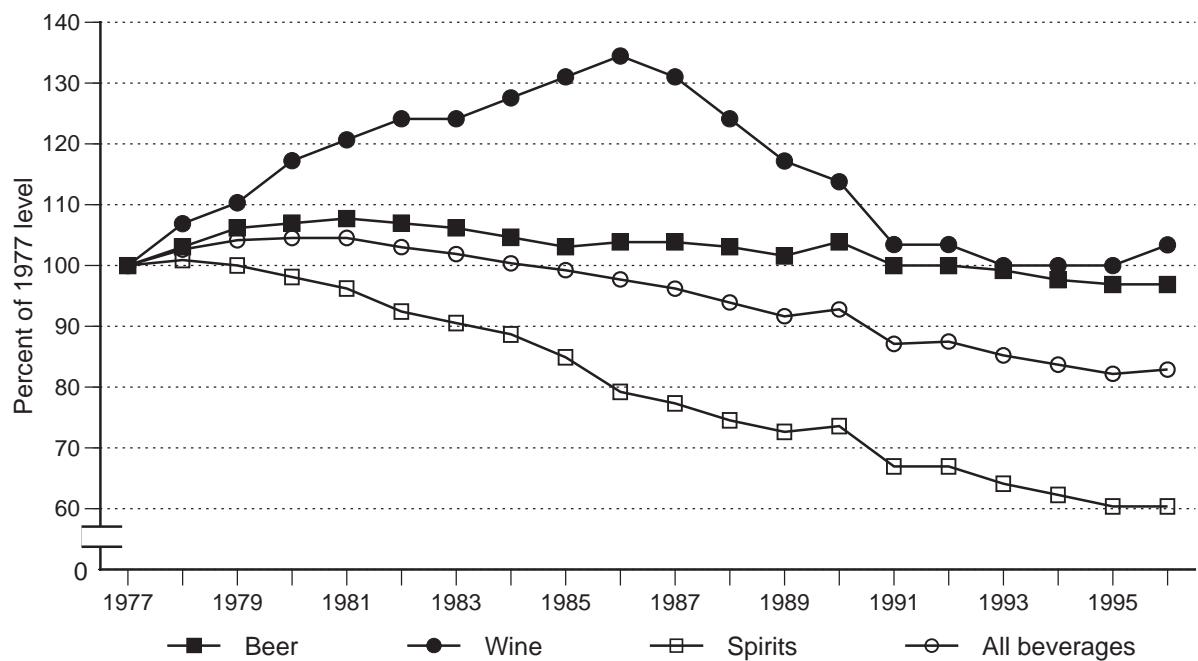
#### Percent Change in Per Capita Consumption, 1977–96

Figure 3 shows the percent change in overall per capita consumption for each year and beverage type relative to its 1977 value. The percent change for all alcoholic beverages combined increased gradually from 1977 to 1980, leveled off in 1980 and 1981, and then began an 8-year decline in 1982 that stopped with the increase in per capita consumption in 1990. Overall per capita consumption decreased in 1991, increased slightly in 1992, decreased in 1993, 1994, and 1995, and then increased again in 1996. Since 1977 overall per capita consumption of alcohol has decreased by 17 percent. Per capita consumption of beer increased gradually from 1977 to 1981, decreased from 1981 to 1985, increased marginally in 1986, remained the same in 1987, decreased in 1988 and 1989, increased in 1990, decreased again in 1991, remained the same in 1992, decreased in 1993, 1994, and 1995 and showed no change in 1996. Thus, per capita consumption of beer was 3.1 percent lower in 1996 than in 1977.

**Figure 2.** Per capita ethanol consumption by beverage type, United States, 1977–96.



**Figure 3.** Percent change in per capita ethanol consumption, United States, 1977–96.



Except for 1983, per capita consumption of wine increased each year from 1977 to 1986, decreased in 1987 through 1991, remained level in 1992, decreased in 1993, showed no change in 1994 and 1995, and increased again in 1996. Consumption of spirits increased marginally from 1977 to 1978, declined through 1989, increased slightly in 1990, leveled off in 1991 and 1992, decreased each year from 1993 to 1995 and showed no change in 1996. Thus, per capita consumption of spirits remained at 39.6 percent below its 1977 level in 1996. The 19-year decline in total per capita consumption (2.64 gallons ethanol in 1977 versus 2.19 gallons ethanol in 1996) largely is a reflection of the substantial (39.6 percent) decline in per capita spirits consumption (1.06 gallons ethanol in 1977 versus 0.64 gallons in 1996). At 0.64 gallons ethanol in 1995 and 1996, spirits per capita consumption was at its lowest level in 56 years. It is important to note, however, that spirits data based on shipments in 1996 showed a modest (0.5 percent) increase compared to 1995 (Adams Media, Inc. [Adams] 1997c).

In 1996 beer ranked fourth (behind soft drinks, coffee, and milk) in per capita consumption of any kind of beverage product, a position it has held for many years (Adams 1997b) and comprised 57.1 percent of the per capita ethanol consumption from all alcoholic beverages combined. Wine represented 13.7 percent of the per capita consumption of ethanol from all alcoholic beverages combined in 1996 and it ranked ninth (behind soft drinks, coffee, milk, beer, bottled water, tea, juices, and powdered drinks) in the per capita consumption of all kinds of beverage products (Adams 1997b). Spirits beverages ranked 10th in 1996 (behind soft drinks, coffee, milk, beer, bottled water, tea, juices, powdered drinks, and wine) in per capita consumption of all kinds of

beverage products (Adams 1997b) and they comprised 29.2 percent of total ethanol consumed from all alcoholic beverages combined.

## STATE DATA

### Apparent Consumption for 1996

Table 2 presents the 1996 consumption data on total beverage volume; total ethanol volume; and per capita ethanol volume of beer, wine, spirits, and total beverages for each of the 50 States and the District of Columbia. The data also are aggregated by census regions<sup>1</sup> and the United States as a whole.

Table 2 ranks the States and the District of Columbia into 10 groups (deciles) based on high-to-low distributions of total per capita consumption of ethanol. Placement in the first decile indicates the State ranks among the top 10 percent of States in total per capita consumption of ethanol, placement in the second decile indicates the top 20 percent, and so on. In 1996 the States in the highest decile on total per capita consumption (in gallons ethanol) were New Hampshire (4.16), Nevada (4.07), the District of Columbia (3.80), Delaware (2.74), and Arizona (2.69). Between 1995 and 1996 per capita consumption of all alcoholic beverages combined increased in all the top decile States, but decreased in the District of Columbia. States in the lowest decile (and their total per capita consumption of ethanol) in 1996 were Kentucky (1.73), Kansas (1.72), Oklahoma (1.70), West Virginia (1.60), and Utah (1.24). Between 1995 and 1996 States in the lowest decile also showed increases (Kansas and Utah), no change (Kentucky and West Virginia), and a decrease (Oklahoma) in per capita ethanol consumption.

<sup>1</sup> The following are the census regions and the States they comprise: *Northeast*—Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, and Vermont; *Midwest*—Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, and Wisconsin; *South*—Alabama, Arkansas, Delaware, District of Columbia, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia, and West Virginia; *West*—Alaska, Arizona, California, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, and Wyoming.

Figure 4 shows total per capita consumption of ethanol in 1996 for each State and the District of Columbia. Eight States (New Hampshire, Nevada, Delaware, Arizona, Colorado, Wisconsin, Florida, and Alaska) and the District of Columbia had per capita consumption levels in the category 2.50 or more gallons ethanol (the highest category in figure 4). New Hampshire, Nevada, and the District of Columbia had per capita ethanol consumption estimates of 3.00 gallons ethanol or higher. By comparison, in 1980 a total of 18 States and the District of Columbia had combined per capita ethanol consumption levels of 3.00 gallons ethanol or higher. Fifteen States (Alabama, Arkansas, Indiana, Iowa, Kansas, Kentucky, New York, North Carolina, Ohio, Oklahoma, Pennsylvania, Tennessee, Utah, Virginia, and West Virginia) had combined per capita consumption levels at or below 1.99 gallons ethanol in 1996. In 1980 only eight States had per capita

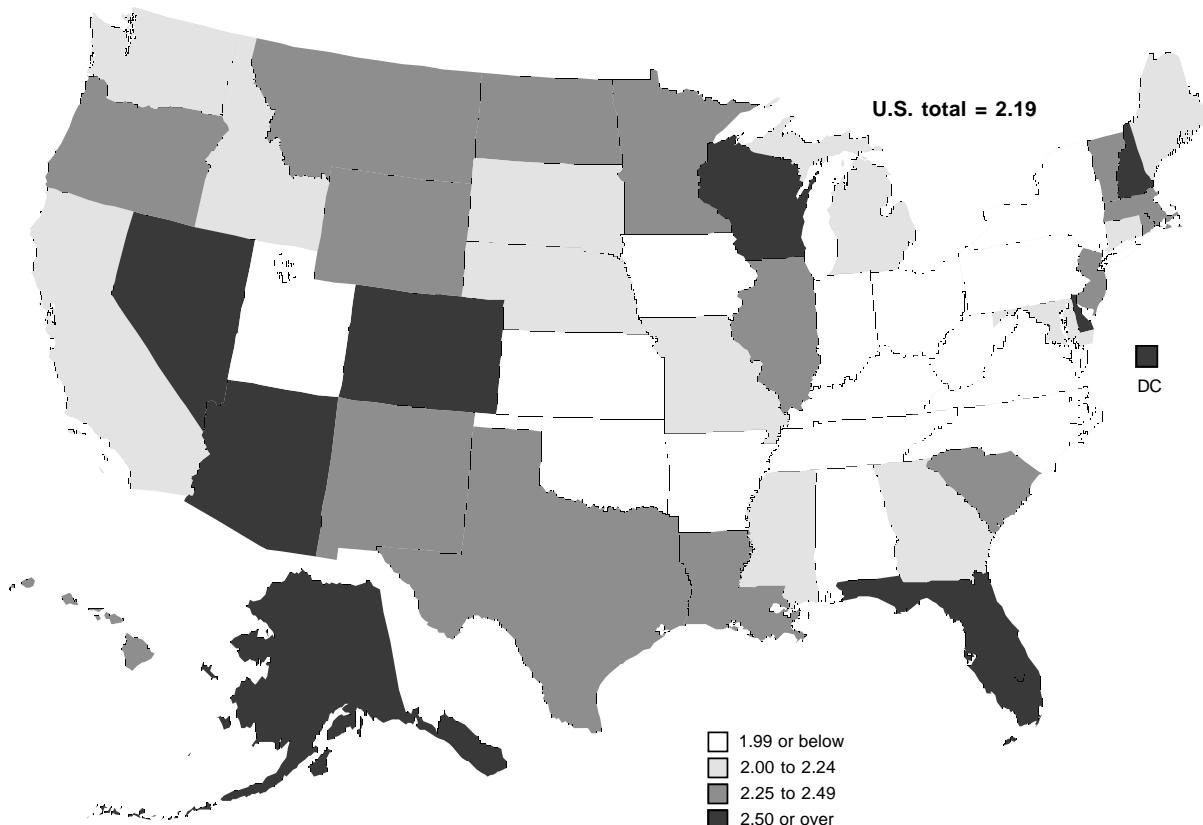
consumption levels at or below 2.00 gallons ethanol.

### Trends in Apparent Consumption, 1977–96

Table 3 presents State per capita consumption data by beverage type and for all alcoholic beverages combined from 1977 to 1996. In addition, table 3 presents aggregations of the per capita consumption data by census regions and the United States as a whole. Decile rankings for the States have been computed for total per capita ethanol consumption only. Users of this report should interpret decile changes with considerable caution and with reference to the actual amounts of per capita consumption. Very small increases, decreases, or even no change in the per capita consumption values can result in changes in the decile rankings of the States.

Between 1995 and 1996, total per capita consumption from all alcoholic beverages combined increased in 29 States, remained unchanged in 7 States, and decreased in

**Figure 4.** Total per capita consumption in gallons of ethanol by State, United States, 1996.



14 States and the District of Columbia. For per capita beer consumption 25 States exhibited increases, 16 States and the District of Columbia exhibited decreases, and 9 States showed no change. For wine consumption 30 States and the District of Columbia experienced increases, 8 States showed decreases, and 12 States showed no change. For spirits consumption 15 States and the District of Columbia experienced decreases, 15 States experienced increases, and 20 States remained unchanged.

Figure 5 presents a map of percentage increases or decreases between 1977 and 1996 in overall per capita consumption among the individual States and the District of Columbia. Between 1977 and 1996, the 50 States and the District of Columbia experienced a 17-percent decrease in overall per capita ethanol consumption. Over the 19-year study period, only two States (Arkansas and Mississippi) showed an increase in total per capita ethanol

consumption. A total of 33 States had a decrease of 0.01 to 19.99 percent, and 15 States and the District of Columbia had a decrease of 20-percent or greater.

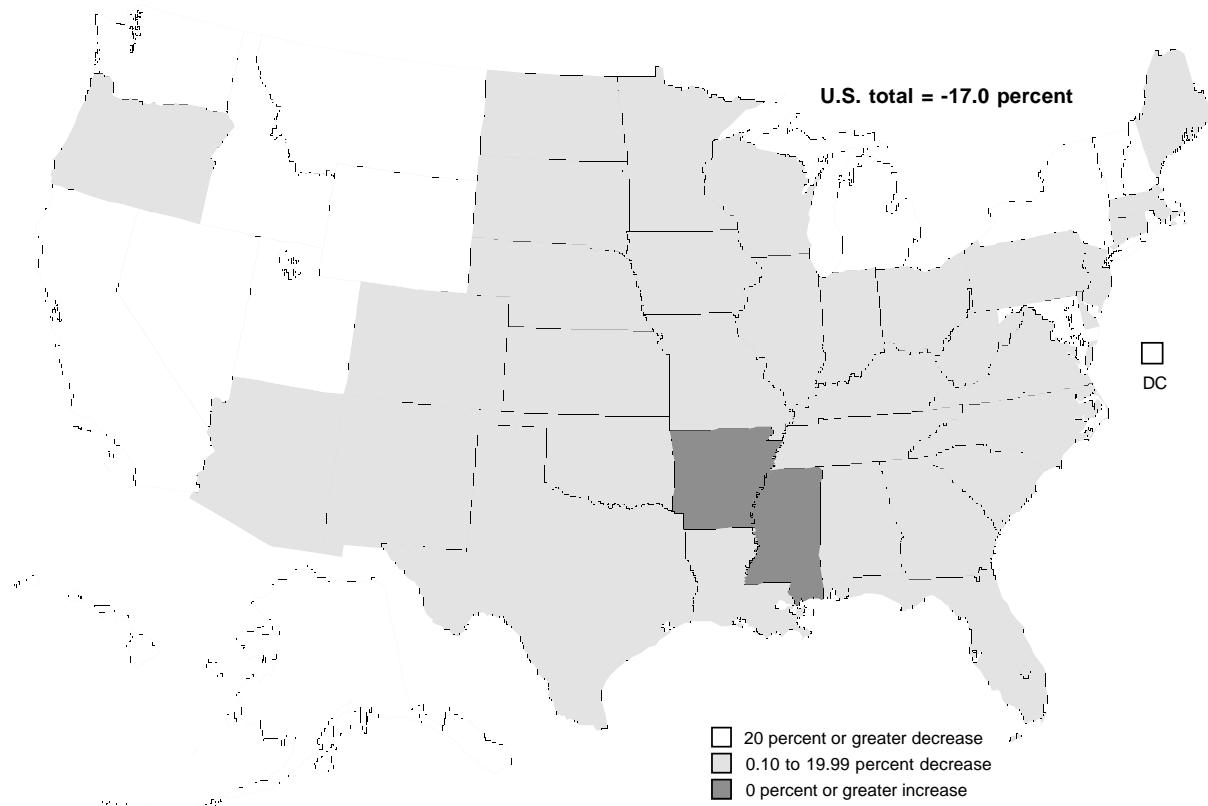
## REGIONAL DATA

Several AEDS analyses have been conducted over the years using the Census Bureau regions as the unit of analysis. One advantage in using census regions is that the per capita consumption data can be compared with other Census Bureau data and with national surveys (e.g., drinking and food frequency surveys) grouped by region.

### Trends in Consumption for All Beverages, 1977–96

Figure 6 presents regional trends in apparent per capita ethanol consumption for all alcoholic beverages combined over the years 1977 to 1996. As shown in the figure, overall per capita consumption tends to be highest in the West, with relatively few differences

**Figure 5.** Percent change in total per capita ethanol consumption by State, United States, 1977–96.



among the Northeast, the Midwest, and the South since 1990. In the West, the decline in per capita consumption of all alcoholic beverages combined since 1981 was precipitous through 1989, evidenced no change in 1990, decreased in 1991, increased in 1992, decreased in 1993 through 1995, and then increased again in 1996. Compared to the West, changes in per capita consumption in the Northeast, Midwest, and South over the years have tended to be more gradual. Between 1995 and 1996 no changes in overall per capita consumption were found in the Northeast and Midwest census regions, but overall per capita consumption increases were found in the South (1.9 percent) and the West (0.9 percent).

### Trends in Consumption for Individual Beverage Types, 1977–96

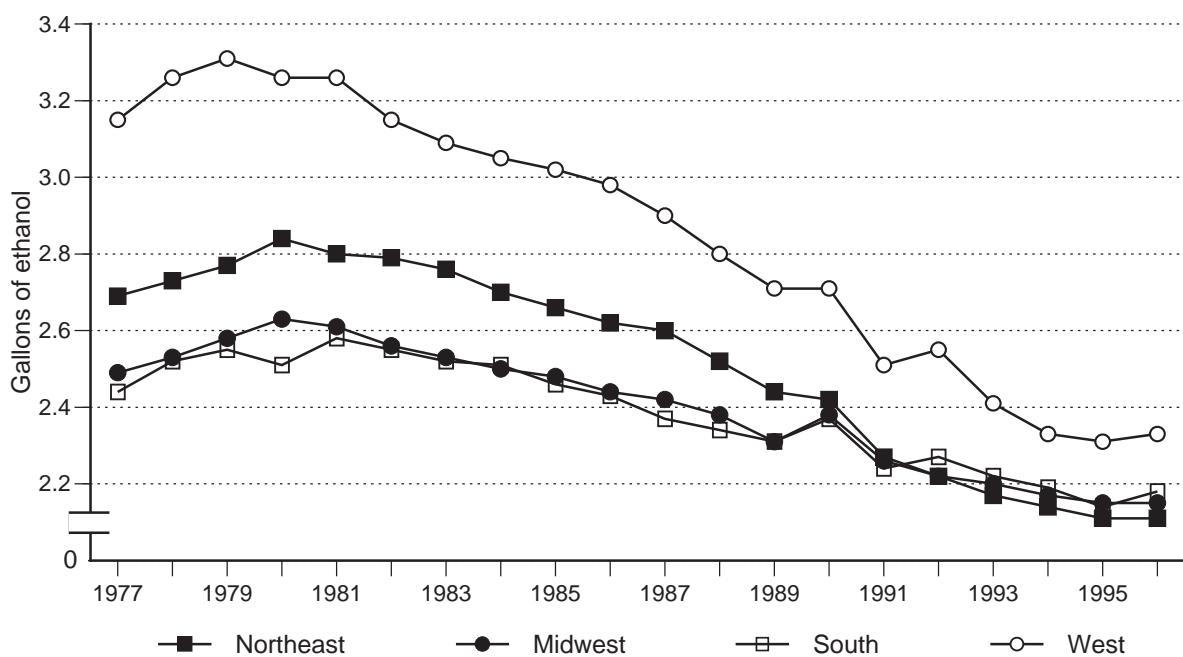
National trends in consumption of all alcoholic beverages combined sometimes can mask regional differences in the consumption of specific beverage types. Figure 7 presents 1977 to 1996 apparent per capita beer consumption estimates in each of the four

census regions. Beer consumption tends to be highest in the West, followed by the Midwest, South, and Northeast until 1990, when the relative positions of the Midwest, South, and West changed. Between 1995 and 1996 a decrease in per capita consumption of beer was found in the West, an increase was found in the South, and no change was found in the Northeast and the Midwest.

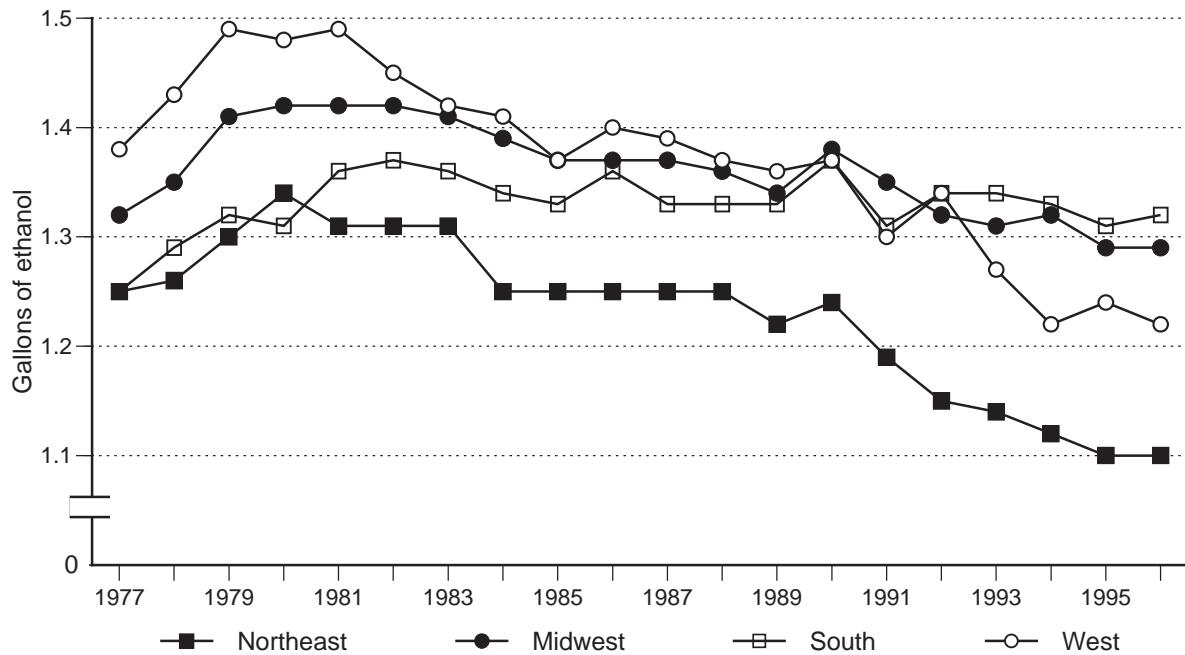
As shown in figure 8, patterns of wine consumption since 1977 also differ among the regions. The West again shows the highest levels of per capita wine consumption, followed by the Northeast. Both California in the West and New York in the Northeast are notable wine production States. The Midwest and South tend to have the lowest levels of per capita wine consumption, with little difference between the two. Between 1995 and 1996 per capita wine consumption increased in all census regions but the Northeast, where there was no change.

The largest changes in per capita consumption generally have occurred in the

**Figure 6.** Total per capita ethanol consumption by region, United States, 1977–96.



**Figure 7.** Per capita ethanol consumption from beer by region, United States, 1977–96.



consumption of spirits (see figure 9), both regionally and nationally. The regions have followed similar patterns of decline in spirits consumption since 1979; differences are largely in the magnitude of change. The tendency of the regions to merge, or become more similar, in terms of per capita ethanol consumption from spirits over the years is notable. Between 1995 and 1996 no changes were found in the per capita consumption of spirits, except for the West which showed a slight increase.

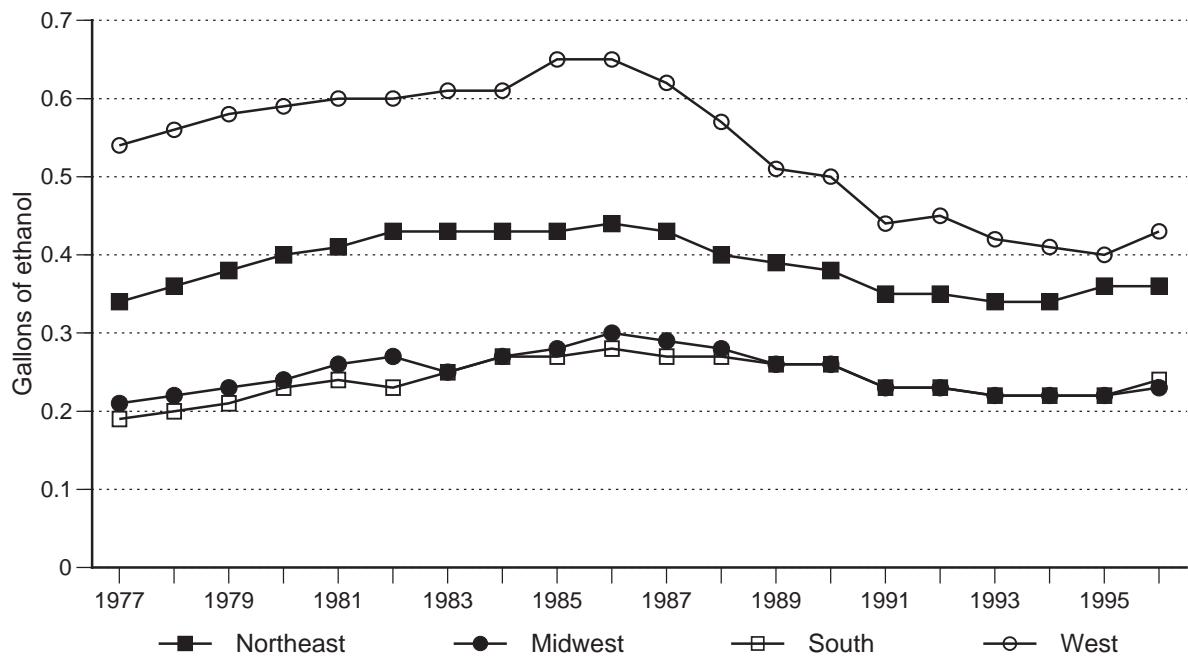
## DISCUSSION

United States per capita consumption of all alcoholic beverages combined in 1996 was 2.19 gallons ethanol. Although this level was up slightly (0.9 percent) from the previous year, levels in both 1995 and 1996 levels were lower than in any other year since 1963. By census region between 1995 and 1996 overall per capita consumption of alcohol increased in the South and West (1.9 and 0.9 percent, respectively), but remained unchanged in the

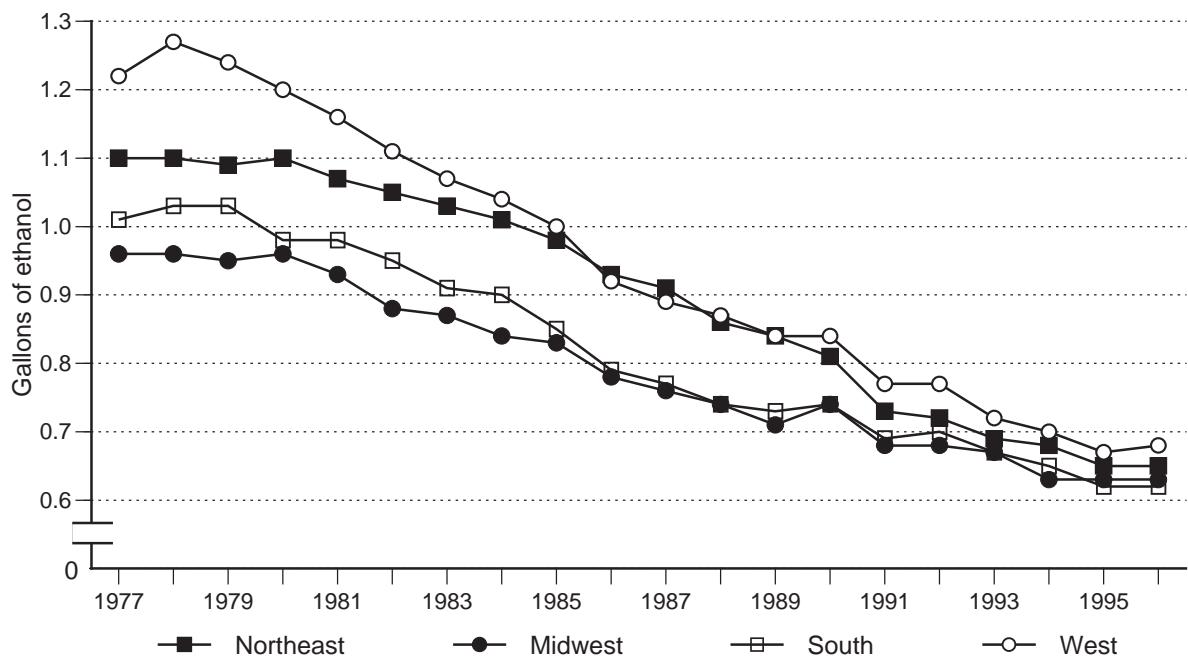
Northeast and Midwest. According to industry predictions, the 1996 increase in overall per capita consumption of alcohol was unexpected and has been attributed to the continued strength of the economy in 1996 (Adams, 1997c). With the possible exception of wine consumption (especially table wines) industry predictions continue to suggest declines in beer, wine, and spirits consumption well past the Year 2000 (Adams, 1997c; M. Shanken, 1997a, 1997c).

The national increase in per capita alcohol consumption in 1996 was generally characteristic of the States. Alcohol consumption from all beverages combined increased in the majority of the 50 States and the District of Columbia. In 1996 increases in overall per capita consumption were found in a total of 29 States. Further, consumption of wine increased in 30 States and the District of Columbia in 1996, following wine consumption increases in 38 States in 1995. Beer and spirits consumption, however, showed increases in relatively few of the

**Figure 8.** Per capita ethanol consumption from wine by region, United States, 1977–96.



**Figure 9.** Per capita ethanol consumption from spirits by region, United States, 1977–96.



States (16 and 15 States and the District of Columbia, respectively). While the magnitude of the changes in per capita consumption between 1995 and 1996 was not dramatic, the number of directional changes (increases or decreases) in overall per capita consumption was noteworthy. In 1995 overall per capita alcohol consumption decreased in 39 States, increased in 10 States, and did not change in one State and the District of Columbia (Williams et al. 1997). In 1996 overall per capita alcohol consumption increased in 29 States, decreased in 14 States and the District of Columbia, and did not change in 7 States.

Market analysts suggest that the 1996 increases in alcohol consumption are unlikely to continue through the rest of the 1990s, but they do predict that consumption decreases may be more modest in the coming years, i.e., there may be a leveling off of declines in consumption of some alcoholic beverages (Adams 1997a, 1997b, 1997c; Shanken, 1997a, 1997b, 1997c). Either situation (continued increases or more modest decreases) is likely to effect one of the alcohol objectives in *Healthy People 2000: National Health Promotion and Disease Prevention Objectives* (DHHS 1991).

It seems somewhat doubtful that the national health objective to reduce per capita alcohol consumption to an annual average of no more than 2 gallons ethanol per person by the Year 2000 can be achieved, especially if per capita ethanol estimates continue to increase or even level off for the rest of the 1990s. Even with the marginal increase (0.9 percent) in overall per capita consumption in 1996 and with the national objective measured to the end of the Year 2000, overall per capita alcohol consumption will need to decrease by 8.7 percent (i.e., an average of 2.2 percent annually) to meet the alcohol consumption objective in *Healthy People 2000*.

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**Table 1.** Apparent per capita ethanol consumption, United States, 1850–1996. [Gallons of ethanol, based on population age 15 and older prior to 1970 and on population age 14 and older thereafter]

Year	Beer	Wine	Spirits	All beverages
1996.....	1.25	0.30	0.64	2.19
1995.....	1.25	0.29	0.64	2.17
1994.....	1.26	0.29	0.66	2.21
1993.....	1.28	0.29	0.68	2.25
1992.....	1.29	0.30	0.71	2.31
1991.....	1.29	0.30	0.71	2.30
1990.....	1.34	0.33	0.78	2.45
1989.....	1.31	0.34	0.77	2.42
1988.....	1.33	0.36	0.79	2.48
1987.....	1.34	0.38	0.82	2.54
1986.....	1.34	0.39	0.84	2.58
1985.....	1.33	0.38	0.90	2.62
1984.....	1.35	0.37	0.94	2.65
1983.....	1.37	0.36	0.96	2.69
1982.....	1.38	0.36	0.98	2.72
1981.....	1.39	0.35	1.02	2.76
1980.....	1.38	0.34	1.04	2.76
1979.....	1.37	0.32	1.06	2.75
1978.....	1.33	0.31	1.07	2.71
1977.....	1.29	0.29	1.06	2.64
1976.....	1.27	0.32	1.10	2.69
1975.....	1.26	0.32	1.11	2.69
1974.....	1.25	0.31	1.11	2.67
1973.....	1.20	0.31	1.10	2.62
1972.....	1.17	0.30	1.09	2.56
1971.....	1.15	0.31	1.12	2.59
1970.....	1.14	0.27	1.11	2.52
1969.....	1.12	0.26	1.13	2.51
1968.....	1.09	0.26	1.10	2.45
1967.....	1.07	0.25	1.05	2.37
1966.....	1.06	0.24	1.02	2.32
1965.....	1.04	0.24	0.99	2.27
1964.....	1.04	0.24	0.95	2.23
1963.....	1.01	0.23	0.91	2.15
1962.....	0.99	0.22	0.90	2.11
1961.....	0.97	0.23	0.86	2.06
1960.....	0.99	0.22	0.86	2.07
1959.....	1.00	0.22	0.84	2.06
1958.....	0.96	0.22	0.80	1.98
1957.....	0.97	0.22	0.80	1.99
1956.....	1.00	0.22	0.81	2.03
1955.....	1.01	0.22	0.77	2.00
1954.....	1.01	0.21	0.74	1.96
1953.....	1.04	0.20	0.77	2.01
1952.....	1.04	0.21	0.73	1.98
1951.....	1.03	0.20	0.78	2.01
1950.....	1.04	0.23	0.77	2.04
1949.....	1.06	0.22	0.70	1.98
1948.....	1.07	0.20	0.70	1.97
1947.....	1.11	0.16	0.76	2.03
1946.....	1.07	0.24	0.99	2.30
1945.....	1.17	0.20	0.88	2.25
1944.....	1.13	0.18	0.76	2.07
1943.....	1.00	0.17	0.66	1.83
1942.....	0.90	0.22	0.85	1.97
1941.....	0.81	0.18	0.71	1.70
1940.....	0.73	0.16	0.67	1.56

**Table 1.** Apparent per capita ethanol consumption, United States, 1850–1996. [Gallons of ethanol, based on population age 15 and older prior to 1970 and on population age 14 and older thereafter] (Continued)

Year	Beer	Wine	Spirits	All beverages
1939.....	0.75	0.14	0.62	1.51
1938.....	0.75	0.13	0.59	1.47
1937.....	0.82	0.13	0.64	1.59
1936.....	0.79	0.12	0.59	1.50
1935.....	0.68	0.09	0.43	1.20
1934.....	0.61	0.07	0.29	0.97
(Prohibition)				
1916–1919 .....	1.08	0.12	0.76	1.96
1911–1915 .....	1.48	0.14	0.94	2.56
1906–1910 .....	1.47	0.17	0.96	2.60
1901–1905 .....	1.31	0.13	0.95	2.39
1896–1900 .....	1.19	0.10	0.77	2.06
1891–1895 .....	1.17	0.11	0.95	2.23
1881–1890 .....	0.90	0.14	0.95	1.99
1871–1880 .....	0.56	0.14	1.02	1.72
1870.....	0.44	0.10	1.53	2.07
1860.....	0.27	0.10	2.16	2.53
1850.....	0.14	0.08	1.88	2.10

Sources: Williams, G.D.; Stinson, F.S.; Sanchez, L.L.; and Dufour, M.C. *Surveillance Report #43: Apparent Per Capita Consumption: National, State, and Regional Trends, 1977–95*. Rockville, MD: National Institute on Alcohol Abuse and Alcoholism, Division of Biometry and Epidemiology, Alcohol Epidemiologic Data System, December 1997.

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**Table 2.** Apparent alcohol consumption for States, census regions, and the United States, 1996. [Volume and ethanol in thousands of gallons, per capita consumption in gallons, based on population age 14 and older]

State or other geographic area	Beer			Wine			Spirits			All beverages		
	Volume	Ethanol	Per capita	Volume	Ethanol	Per capita	Volume	Ethanol	Per capita	Ethanol	Per capita	U.S. decile
Alabama .....	89,534	4,029	1.17	4,074	526	0.15	4,493	1,817	0.54	6,401	1.86	9
Alaska .....	13,612	613	1.33	1,224	158	0.34	1,080	444	0.96	1,214	2.63	2
Arizona .....	122,594	5,517	1.57	9,271	1,196	0.34	6,417	2,637	0.75	9,350	2.66	1
Arkansas.....	50,321	2,264	1.13	1,907	246	0.12	2,643	1,086	0.54	3,590	1.79	9
California.....	609,522	27,428	1.11	94,301	12,165	0.49	38,662	15,890	0.64	55,483	2.24	5
Colorado .....	95,046	4,277	1.40	9,017	1,163	0.38	6,390	2,626	0.86	8,067	2.65	2
Connecticut ....	56,369	2,537	0.96	9,653	1,245	0.47	4,714	1,937	0.73	5,719	2.17	6
Delaware.....	17,838	803	1.37	1,993	257	0.44	1,338	550	0.94	1,610	2.74	1
Dist. of Columbia	15,013	676	1.49	2,716	350	0.77	1,695	697	1.54	1,723	3.80	1
Florida .....	368,324	16,575	1.42	34,429	4,441	0.38	23,973	9,853	0.84	30,869	2.64	2
Georgia.....	161,436	7,265	1.25	10,915	1,408	0.24	10,161	4,176	0.72	12,849	2.20	6
Hawaii .....	29,874	1,344	1.43	2,765	357	0.38	1,349	555	0.59	2,256	2.40	4
Idaho.....	24,477	1,101	1.19	2,160	279	0.30	1,157	476	0.51	1,856	2.00	8
Illinois.....	271,621	12,223	1.30	24,960	3,220	0.34	15,991	6,572	0.70	22,015	2.35	4
Indiana .....	118,596	5,337	1.14	7,165	924	0.20	6,608	2,716	0.58	8,977	1.91	9
Iowa.....	66,329	2,985	1.29	2,262	292	0.13	2,494	1,025	0.44	4,302	1.86	9
Kansas .....	48,698	2,191	1.07	2,284	295	0.14	2,491	1,024	0.50	3,510	1.72	10
Kentucky.....	74,050	3,332	1.06	3,108	401	0.13	4,143	1,703	0.54	5,436	1.73	10
Louisiana .....	114,793	5,166	1.51	5,883	759	0.22	6,047	2,485	0.73	8,410	2.47	2
Maine .....	26,432	1,189	1.17	2,575	332	0.33	1,762	724	0.71	2,246	2.21	6
Maryland .....	94,627	4,258	1.05	9,174	1,183	0.29	7,346	3,019	0.75	8,461	2.09	7
Massachusetts	127,075	5,718	1.15	18,559	2,394	0.48	9,397	3,862	0.78	11,975	2.41	3
Michigan .....	206,990	9,315	1.22	13,047	1,683	0.22	12,595	5,177	0.68	16,174	2.12	7
Minnesota .....	104,404	4,698	1.27	7,524	971	0.26	7,883	3,240	0.88	8,909	2.41	3
Mississippi.....	66,057	2,973	1.39	1,477	191	0.09	3,254	1,337	0.62	4,500	2.10	7
Missouri .....	126,254	5,681	1.32	7,273	938	0.22	6,047	2,485	0.58	9,105	2.12	7
Montana.....	23,491	1,057	1.50	1,476	190	0.27	1,102	453	0.64	1,700	2.41	3
Nebraska .....	39,978	1,799	1.37	1,906	246	0.19	1,852	761	0.58	2,806	2.13	7
Nevada.....	56,460	2,541	2.00	6,013	776	0.61	4,516	1,856	1.46	5,172	4.07	1
New Hampshire	36,123	1,626	1.74	3,973	513	0.55	4,224	1,736	1.86	3,874	4.16	1

**Table 2.** Apparent alcohol consumption for States, census regions, and the United States, 1996. [Volume and ethanol in thousands of gallons, per capita consumption in gallons, based on population age 14 and older] (Continued)

State or other geographic area	Beer			Wine			Spirits			All beverages		
	Volume	Ethanol	Per capita	Volume	Ethanol	Per capita	Volume	Ethanol	Per capita	Ethanol	Per capita	U.S. decile
New Jersey.....	145,996	6,570	1.02	22,219	2,866	0.45	12,127	4,984	0.78	14,420	2.25	5
New Mexico.....	46,564	2,095	1.58	2,369	306	0.23	1,938	796	0.60	3,197	2.41	3
New York .....	321,030	14,446	0.99	41,862	5,400	0.37	20,725	8,518	0.58	28,365	1.94	8
North Carolina..	154,430	6,949	1.18	11,105	1,433	0.24	7,724	3,175	0.54	11,556	1.96	8
North Dakota...	17,112	770	1.49	529	68	0.13	977	402	0.78	1,240	2.40	3
Ohio.....	260,599	11,727	1.31	12,398	1,599	0.18	9,960	4,094	0.46	17,420	1.94	8
Oklahoma.....	64,771	2,915	1.11	2,847	367	0.14	2,883	1,185	0.45	4,467	1.70	10
Oregon .....	71,380	3,212	1.24	8,865	1,144	0.44	3,862	1,587	0.61	5,943	2.30	5
Pennsylvania ..	269,542	12,129	1.24	14,612	1,885	0.19	10,820	4,447	0.45	18,461	1.88	9
Rhode Island...	21,448	965	1.20	2,733	353	0.44	1,325	545	0.68	1,862	2.31	5
South Carolina	93,873	4,224	1.42	5,047	651	0.22	5,221	2,146	0.72	7,021	2.36	4
South Dakota..	17,789	801	1.38	604	78	0.13	972	399	0.69	1,278	2.21	6
Tennessee .....	114,468	5,151	1.20	5,461	704	0.16	5,479	2,252	0.52	8,107	1.89	9
Texas .....	519,248	23,366	1.57	25,041	3,230	0.22	17,892	7,354	0.49	33,950	2.28	5
Utah.....	26,452	1,191	0.80	1,163	151	0.10	1,405	577	0.39	1,918	1.29	10
Vermont.....	13,708	617	1.29	1,683	217	0.46	738	303	0.64	1,137	2.39	4
Virginia .....	137,097	6,169	1.14	12,510	1,614	0.30	6,449	2,650	0.49	10,434	1.93	8
Washington ...	111,326	5,010	1.13	13,813	1,782	0.40	6,780	2,787	0.63	9,578	2.17	6
West Virginia...	38,272	1,722	1.14	1,121	145	0.10	1,367	562	0.37	2,429	1.60	10
Wisconsin.....	142,468	6,411	1.55	7,871	1,015	0.25	8,618	3,542	0.86	10,968	2.65	2
Wyoming.....	11,382	532	1.39	492	63	0.17	759	312	0.81	908	2.37	4
<i>Regions</i>												
Northeast .....	1,017,724	45,798	1.10	117,869	15,205	0.36	65,832	27,057	0.65	88,060	2.11	
Midwest .....	1,420,837	63,999	1.29	87,823	11,329	0.23	76,489	31,437	0.63	106,704	2.15	
South .....	2,280,322	97,837	1.32	138,808	17,906	0.24	112,108	46,076	0.62	161,820	2.18	
West.....	1,242,629	55,918	1.22	152,934	19,729	0.43	75,417	30,996	0.68	106,643	2.33	
U.S. total .....	5,961,512	263,490	1.25	497,434	64,169	0.30	329,846	135,567	0.64	463,226	2.19	

• Decile values apply only to State-level data. Numbers may not add due to rounding.

**Table 3.** Per capita ethanol consumption for States, census regions, and the United States, 1977–96. [Gallons of ethanol, based on population age 14 and older]

State or other geographic area	Per capita consumption				U.S. decile for all beverages
	Beer	Wine	Spirits	All beverages	
<b>Alabama</b>					
1996 .....	1.17	0.15	0.54	1.86	9
1995 .....	1.15	0.15	0.53	1.82	9
1994 .....	1.17	0.17	0.54	1.88	9
1993 .....	1.15	0.17	0.56	1.88	9
1992 .....	1.02	0.19	0.59	1.80	10
1991 .....	1.01	0.17	0.59	1.77	10
1990 .....	1.13	0.18	0.62	1.93	9
1989 .....	1.10	0.17	0.60	1.87	9
1988 .....	1.10	0.18	0.61	1.89	9
1987 .....	1.10	0.18	0.61	1.89	9
1986 .....	1.09	0.18	0.64	1.90	9
1985 .....	1.06	0.17	0.67	1.90	9
1984 .....	1.02	0.19	0.69	1.90	10
1983 .....	1.01	0.17	0.71	1.89	10
1982 .....	1.00	0.18	0.72	1.89	10
1981 .....	1.00	0.19	0.73	1.92	10
1980 .....	0.96	0.16	0.74	1.86	10
1979 .....	0.98	0.12	0.84	1.94	10
1978 .....	0.98	0.12	0.88	1.97	9
1977 .....	0.99	0.13	0.84	1.96	9
<b>Alaska</b>					
1996 .....	1.33	0.34	0.96	2.63	2
1995 .....	1.46	0.39	1.03	2.88	1
1994 .....	1.53	0.40	1.10	3.03	1
1993 .....	1.32	0.32	0.93	2.56	2
1992 .....	1.54	0.42	1.08	3.04	1
1991 .....	1.54	0.43	1.14	3.12	1
1990 .....	1.62	0.46	1.25	3.33	1
1989 .....	1.57	0.46	1.24	3.27	1
1988 .....	1.60	0.49	1.23	3.32	1
1987 .....	1.64	0.54	1.29	3.46	1
1986 .....	1.68	0.56	1.27	3.51	1
1985 .....	1.68	0.58	1.53	3.78	1
1984 .....	1.73	0.58	1.56	3.86	1
1983 .....	1.76	0.61	1.70	4.06	1
1982 .....	1.75	0.56	1.74	4.05	1
1981 .....	1.71	0.57	1.82	4.10	1
1980 .....	1.55	0.50	1.70	3.76	1
1979 .....	1.50	0.47	1.65	3.62	1
1978 .....	1.39	0.45	1.68	3.52	2
1977 .....	1.19	0.42	1.70	3.31	2
<b>Arizona</b>					
1996 .....	1.57	0.34	0.75	2.66	1
1995 .....	1.51	0.29	0.70	2.51	3
1994 .....	1.61	0.31	0.74	2.65	2
1993 .....	1.65	0.29	0.80	2.73	2
1992 .....	1.62	0.32	0.83	2.76	2
1991 .....	1.60	0.35	0.80	2.75	2
1990 .....	1.59	0.37	0.80	2.77	3
1989 .....	1.68	0.36	0.85	2.89	2
1988 .....	1.64	0.42	0.88	2.94	2
1987 .....	1.67	0.46	0.86	2.99	2
1986 .....	1.77	0.46	0.91	3.14	2
1985 .....	1.67	0.46	1.00	3.12	2
1984 .....	1.57	0.45	1.06	3.08	3
1983 .....	1.62	0.44	1.00	3.06	3
1982 .....	1.74	0.40	0.99	3.13	3
1981 .....	1.78	0.42	1.01	3.22	3
1980 .....	1.69	0.36	0.98	3.03	4
1979 .....	1.86	0.39	1.17	3.42	2
1978 .....	1.77	0.37	1.10	3.25	2
1977 .....	1.70	0.34	1.05	3.10	3
<b>Arkansas</b>					
1996 .....	1.13	0.12	0.54	1.79	9
1995 .....	1.09	0.12	0.52	1.73	10
1994 .....	1.08	0.13	0.47	1.68	10
1993 .....	1.11	0.12	0.59	1.82	9
1992 .....	1.13	0.13	0.66	1.92	9
1991 .....	1.13	0.11	0.58	1.82	9

Decile values apply only to State-level data. Numbers may not sum due to rounding.

**Table 3.** Per capita ethanol consumption for States, census regions, and the United States, 1977–96. [Gallons of ethanol, based on population age 14 and older] (Continued)

State or other geographic area	Per capita consumption				U.S. decile for all beverages
	Beer	Wine	Spirits	All beverages	
1990.....	1.13	0.13	0.61	1.87	9
1989.....	1.08	0.13	0.57	1.78	9
1988.....	1.07	0.14	0.53	1.74	10
1987.....	1.08	0.11	0.53	1.71	10
1986.....	1.06	0.09	0.48	1.63	10
1985.....	1.03	0.13	0.58	1.75	10
1984.....	1.02	0.12	0.64	1.78	10
1983.....	1.03	0.13	0.63	1.78	10
1982.....	1.03	0.12	0.63	1.78	10
1981.....	1.06	0.12	0.68	1.87	10
1980.....	1.00	0.12	0.69	1.81	10
1979.....	0.93	0.10	0.57	1.60	10
1978.....	0.97	0.11	0.73	1.82	10
1977.....	0.92	0.10	0.63	1.65	10
California					
1996.....	1.11	0.49	0.64	2.24	5
1995.....	1.15	0.45	0.64	2.23	6
1994.....	1.09	0.47	0.68	2.24	6
1993.....	1.18	0.48	0.69	2.35	4
1992.....	1.28	0.51	0.76	2.55	3
1991.....	1.22	0.49	0.75	2.46	4
1990.....	1.32	0.59	0.87	2.78	2
1989.....	1.31	0.61	0.87	2.79	2
1988.....	1.34	0.68	0.89	2.90	2
1987.....	1.36	0.74	0.93	3.03	2
1986.....	1.36	0.79	0.96	3.11	2
1985.....	1.32	0.78	1.02	3.12	2
1984.....	1.38	0.74	1.07	3.19	2
1983.....	1.37	0.75	1.11	3.23	2
1982.....	1.37	0.72	1.14	3.23	3
1981.....	1.43	0.72	1.21	3.36	2
1980.....	1.42	0.71	1.25	3.38	2
1979.....	1.42	0.70	1.28	3.40	2
1978.....	1.36	0.68	1.32	3.36	2
1977.....	1.31	0.67	1.28	3.25	2
Colorado					
1996.....	1.40	0.38	0.86	2.65	2
1995.....	1.48	0.35	0.80	2.63	2
1994.....	1.40	0.36	0.86	2.61	2
1993.....	1.42	0.37	0.88	2.67	2
1992.....	1.35	0.36	0.82	2.53	3
1991.....	1.39	0.35	0.87	2.63	3
1990.....	1.35	0.29	0.75	2.39	6
1989.....	1.40	0.37	0.84	2.60	3
1988.....	1.42	0.39	0.91	2.72	3
1987.....	1.43	0.44	0.93	2.80	3
1986.....	1.47	0.46	0.94	2.87	3
1985.....	1.47	0.50	1.18	3.15	2
1984.....	1.51	0.46	1.12	3.09	2
1983.....	1.57	0.46	1.12	3.15	3
1982.....	1.64	0.46	1.18	3.28	2
1981.....	1.63	0.44	1.26	3.33	2
1980.....	1.57	0.47	1.31	3.35	2
1979.....	1.68	0.47	1.37	3.52	2
1978.....	1.64	0.47	1.43	3.54	1
1977.....	1.43	0.36	1.22	3.01	3
Connecticut					
1996.....	0.96	0.47	0.73	2.17	6
1995.....	0.98	0.49	0.78	2.26	5
1994.....	1.00	0.44	0.79	2.22	6
1993.....	0.97	0.44	0.80	2.21	6
1992.....	1.02	0.45	0.84	2.31	6
1991.....	1.04	0.43	0.84	2.30	6
1990.....	1.09	0.46	0.92	2.46	6
1989.....	1.09	0.47	0.98	2.54	4
1988.....	1.14	0.51	1.07	2.71	3
1987.....	1.15	0.52	1.12	2.79	3
1986.....	1.13	0.51	1.15	2.79	3
1985.....	1.14	0.50	1.20	2.84	3
1984.....	1.10	0.50	1.20	2.80	4

Decile values apply only to State-level data. Numbers may not sum due to rounding.

**Table 3.** Per capita ethanol consumption for States, census regions, and the United States, 1977–96. [Gallons of ethanol, based on population age 14 and older] (Continued)

State or other geographic area	Per capita consumption				U.S. decile for all beverages
	Beer	Wine	Spirits	All beverages	
1983.....	1.10	0.49	1.23	2.82	4
1982.....	1.04	0.49	1.20	2.73	6
1981.....	1.05	0.44	1.18	2.67	6
1980.....	1.06	0.43	1.21	2.70	6
1979.....	1.13	0.40	1.20	2.72	5
1978.....	1.07	0.38	1.20	2.65	6
1977.....	1.05	0.35	1.21	2.61	6
<b>Delaware</b>					
1996.....	1.37	0.44	0.94	2.74	1
1995.....	1.32	0.40	0.94	2.66	2
1994.....	1.45	0.38	0.96	2.79	1
1993.....	1.47	0.36	0.95	2.78	1
1992.....	1.41	0.36	0.97	2.75	2
1991.....	1.40	0.35	0.96	2.71	2
1990.....	1.45	0.37	1.14	2.97	2
1989.....	1.40	0.38	1.13	2.91	2
1988.....	1.44	0.40	1.19	3.03	1
1987.....	1.44	0.42	1.22	3.08	2
1986.....	1.45	0.44	1.23	3.13	2
1985.....	1.46	0.41	1.30	3.16	2
1984.....	1.51	0.38	1.28	3.17	2
1983.....	1.53	0.35	1.34	3.22	2
1982.....	1.53	0.34	1.36	3.23	3
1981.....	1.51	0.32	1.39	3.23	3
1980.....	1.45	0.29	1.38	3.12	3
1979.....	1.38	0.27	1.34	2.99	4
1978.....	1.33	0.25	1.33	2.91	4
1977.....	1.32	0.24	1.35	2.91	4
<b>District of Columbia</b>					
1996.....	1.49	0.77	1.54	3.80	1
1995.....	1.56	0.74	1.58	3.89	1
1994.....	1.56	0.76	1.57	3.89	1
1993.....	1.56	0.75	1.58	3.89	1
1992.....	1.64	0.72	1.77	4.13	1
1991.....	1.44	0.62	1.87	3.93	1
1990.....	1.42	0.77	1.97	4.16	1
1989.....	1.49	0.88	1.85	4.22	1
1988.....	1.47	0.99	2.02	4.48	1
1987.....	1.48	1.00	2.37	4.85	1
1986.....	1.52	1.04	2.19	4.75	1
1985.....	1.49	1.03	2.42	4.94	1
1984.....	1.56	1.11	2.68	5.34	1
1983.....	1.55	1.08	2.79	5.41	1
1982.....	1.48	1.00	2.91	5.39	1
1981.....	1.50	1.06	2.92	5.49	1
1980.....	1.49	0.99	2.94	5.42	1
1979.....	1.48	0.99	3.03	5.49	1
1978.....	1.43	0.94	3.14	5.51	1
1977.....	1.39	0.89	3.26	5.53	1
<b>Florida</b>					
1996.....	1.42	0.38	0.84	2.64	2
1995.....	1.38	0.36	0.84	2.58	2
1994.....	1.44	0.34	0.89	2.66	2
1993.....	1.46	0.33	0.94	2.73	2
1992.....	1.47	0.34	0.97	2.79	1
1991.....	1.44	0.35	0.92	2.71	2
1990.....	1.54	0.39	1.04	2.97	2
1989.....	1.51	0.39	1.00	2.90	2
1988.....	1.51	0.41	1.00	2.92	2
1987.....	1.51	0.42	1.03	2.95	2
1986.....	1.50	0.41	1.05	2.96	2
1985.....	1.47	0.41	1.16	3.04	3
1984.....	1.48	0.40	1.24	3.12	2
1983.....	1.56	0.40	1.23	3.19	2
1982.....	1.56	0.40	1.33	3.29	2
1981.....	1.55	0.39	1.38	3.31	3
1980.....	1.42	0.37	1.43	3.22	3
1979.....	1.47	0.37	1.51	3.34	2
1978.....	1.41	0.34	1.48	3.23	3
1977.....	1.33	0.33	1.47	3.13	2

Decile values apply only to State-level data. Numbers may not sum due to rounding.

**Table 3.** Per capita ethanol consumption for States, census regions, and the United States, 1977–96. [Gallons of ethanol, based on population age 14 and older] (Continued)

State or other geographic area	Per capita consumption				U.S. decile for all beverages
	Beer	Wine	Spirits	All beverages	
Georgia					
1996.....	1.25	0.24	0.72	2.20	6
1995.....	1.22	0.23	0.72	2.16	6
1994.....	1.19	0.21	0.78	2.18	6
1993.....	1.24	0.21	0.78	2.23	6
1992.....	1.23	0.22	0.80	2.24	6
1991.....	1.17	0.22	0.79	2.18	7
1990.....	1.22	0.23	0.87	2.32	7
1989.....	1.18	0.24	0.94	2.37	6
1988.....	1.22	0.26	0.92	2.40	6
1987.....	1.22	0.27	1.00	2.49	6
1986.....	1.22	0.27	0.95	2.43	6
1985.....	1.17	0.25	1.01	2.43	7
1984.....	1.18	0.23	1.06	2.48	7
1983.....	1.14	0.22	1.05	2.42	7
1982.....	1.12	0.21	1.04	2.37	8
1981.....	1.10	0.18	1.09	2.38	8
1980.....	1.07	0.19	1.09	2.35	8
1979.....	1.17	0.19	1.22	2.58	7
1978.....	1.14	0.19	1.26	2.59	7
1977.....	1.08	0.16	1.23	2.47	7
Hawaii					
1996.....	1.43	0.38	0.59	2.40	4
1995.....	1.43	0.35	0.58	2.36	3
1994.....	1.47	0.38	0.63	2.48	3
1993.....	1.50	0.38	0.65	2.53	2
1992.....	1.55	0.39	0.69	2.63	2
1991.....	1.57	0.40	0.71	2.68	2
1990.....	1.65	0.40	0.80	2.86	2
1989.....	1.54	0.43	0.79	2.76	3
1988.....	1.62	0.45	0.79	2.86	3
1987.....	1.57	0.40	0.76	2.73	4
1986.....	1.60	0.44	0.85	2.88	3
1985.....	1.59	0.41	0.88	2.88	3
1984.....	1.65	0.41	0.91	2.97	3
1983.....	1.87	0.44	1.12	3.43	1
1982.....	1.80	0.48	1.14	3.42	1
1981.....	1.74	0.44	1.16	3.34	2
1980.....	1.65	0.46	1.21	3.31	2
1979.....	1.60	0.44	1.28	3.32	3
1978.....	1.38	0.46	1.30	3.15	3
1977.....	1.61	0.36	1.26	3.23	2
Idaho					
1996.....	1.19	0.30	0.51	2.00	8
1995.....	1.16	0.31	0.53	2.00	8
1994.....	1.25	0.36	0.54	2.14	7
1993.....	1.27	0.29	0.56	2.12	7
1992.....	1.33	0.32	0.57	2.22	7
1991.....	1.32	0.32	0.57	2.20	7
1990.....	1.36	0.33	0.59	2.27	7
1989.....	1.23	0.30	0.56	2.09	8
1988.....	1.25	0.36	0.58	2.18	7
1987.....	1.31	0.38	0.58	2.26	7
1986.....	1.34	0.38	0.61	2.33	7
1985.....	1.35	0.36	0.71	2.42	7
1984.....	1.40	0.31	0.72	2.43	7
1983.....	1.44	0.30	0.76	2.51	7
1982.....	1.47	0.31	0.81	2.58	7
1981.....	1.54	0.33	0.83	2.70	6
1980.....	1.53	0.30	0.77	2.60	7
1979.....	1.55	0.27	0.84	2.65	6
1978.....	1.50	0.26	0.80	2.56	7
1977.....	1.50	0.22	0.79	2.52	7
Illinois					
1996.....	1.30	0.34	0.70	2.35	4
1995.....	1.33	0.34	0.67	2.35	4
1994.....	1.34	0.34	0.70	2.38	4
1993.....	1.34	0.34	0.73	2.41	4
1992.....	1.35	0.35	0.75	2.45	4
1991.....	1.39	0.34	0.76	2.49	4

Decile values apply only to State-level data. Numbers may not sum due to rounding.

**Table 3.** Per capita ethanol consumption for States, census regions, and the United States, 1977–96. [Gallons of ethanol, based on population age 14 and older] (Continued)

State or other geographic area	Per capita consumption				U.S. decile for all beverages
	Beer	Wine	Spirits	All beverages	
1990.....	1.44	0.37	0.83	2.63	3
1989.....	1.38	0.35	0.82	2.56	4
1988.....	1.42	0.37	0.85	2.64	4
1987.....	1.41	0.39	0.87	2.66	4
1986.....	1.40	0.39	0.90	2.68	4
1985.....	1.38	0.37	0.98	2.72	5
1984.....	1.40	0.37	1.01	2.77	5
1983.....	1.42	0.35	1.03	2.80	5
1982.....	1.41	0.35	1.06	2.83	5
1981.....	1.43	0.35	1.12	2.91	5
1980.....	1.43	0.33	1.24	3.00	4
1979.....	1.45	0.33	1.17	2.94	4
1978.....	1.38	0.31	1.19	2.88	4
1977.....	1.35	0.30	1.22	2.87	4
Indiana					
1996.....	1.14	0.20	0.58	1.91	9
1995.....	1.13	0.21	0.59	1.92	8
1994.....	1.16	0.20	0.59	1.95	8
1993.....	1.15	0.19	0.64	1.99	8
1992.....	1.17	0.20	0.59	1.96	9
1991.....	1.22	0.19	0.60	2.01	9
1990.....	1.27	0.20	0.64	2.11	8
1989.....	1.21	0.19	0.63	2.04	8
1988.....	1.23	0.21	0.66	2.10	8
1987.....	1.24	0.22	0.67	2.13	8
1986.....	1.25	0.23	0.67	2.14	8
1985.....	1.25	0.22	0.72	2.19	8
1984.....	1.26	0.21	0.72	2.19	8
1983.....	1.27	0.19	0.73	2.19	8
1982.....	1.29	0.18	0.76	2.23	8
1981.....	1.29	0.18	0.78	2.25	8
1980.....	1.26	0.17	0.77	2.21	8
1979.....	1.23	0.15	0.79	2.18	9
1978.....	1.19	0.16	0.79	2.14	8
1977.....	1.14	0.14	0.77	2.05	9
Iowa					
1996.....	1.29	0.13	0.44	1.86	9
1995.....	1.27	0.11	0.44	1.82	9
1994.....	1.31	0.10	0.45	1.86	9
1993.....	1.29	0.11	0.48	1.88	9
1992.....	1.32	0.13	0.46	1.92	9
1991.....	1.33	0.16	0.53	2.01	8
1990.....	1.35	0.18	0.54	2.07	9
1989.....	1.26	0.18	0.50	1.94	9
1988.....	1.28	0.20	0.52	1.99	9
1987.....	1.30	0.21	0.57	2.08	9
1986.....	1.32	0.19	0.53	2.04	9
1985.....	1.31	0.14	0.57	2.02	9
1984.....	1.36	0.12	0.61	2.09	9
1983.....	1.38	0.13	0.64	2.15	8
1982.....	1.39	0.13	0.65	2.17	9
1981.....	1.44	0.13	0.69	2.27	8
1980.....	1.41	0.13	0.71	2.25	8
1979.....	1.40	0.11	0.71	2.22	8
1978.....	1.38	0.11	0.74	2.22	8
1977.....	1.33	0.10	0.74	2.17	8
Kansas					
1996.....	1.07	0.14	0.50	1.72	10
1995.....	1.07	0.14	0.50	1.71	10
1994.....	1.13	0.13	0.49	1.75	10
1993.....	1.10	0.14	0.52	1.77	10
1992.....	1.10	0.14	0.55	1.79	10
1991.....	1.15	0.14	0.57	1.86	9
1990.....	1.13	0.13	0.53	1.79	10
1989.....	1.10	0.13	0.54	1.77	10
1988.....	1.11	0.21	0.56	1.88	9
1987.....	1.12	0.16	0.56	1.84	9
1986.....	1.12	0.17	0.59	1.88	9
1985.....	1.17	0.15	0.64	1.96	9
1984.....	1.18	0.14	0.63	1.95	9

Decile values apply only to State-level data. Numbers may not sum due to rounding.

**Table 3.** Per capita ethanol consumption for States, census regions, and the United States, 1977–96. [Gallons of ethanol, based on population age 14 and older] (Continued)

State or other geographic area	Per capita consumption				U.S. decile for all beverages
	Beer	Wine	Spirits	All beverages	
1983.....	1.20	0.13	0.64	1.96	9
1982.....	1.22	0.13	0.67	2.02	9
1981.....	1.23	0.12	0.70	2.05	9
1980.....	1.23	0.11	0.62	1.96	9
1979.....	1.17	0.11	0.73	2.01	9
1978.....	1.14	0.12	0.64	1.89	10
1977.....	1.13	0.10	0.65	1.88	10
Kentucky					
1996.....	1.06	0.13	0.54	1.73	10
1995.....	1.06	0.12	0.54	1.73	10
1994.....	1.08	0.11	0.55	1.74	10
1993.....	1.08	0.10	0.56	1.74	10
1992.....	1.04	0.11	0.56	1.72	10
1991.....	1.11	0.11	0.57	1.78	10
1990.....	1.13	0.11	0.60	1.84	10
1989.....	1.08	0.12	0.56	1.76	10
1988.....	1.08	0.12	0.59	1.79	10
1987.....	1.03	0.14	0.59	1.76	10
1986.....	1.09	0.13	0.62	1.84	10
1985.....	1.07	0.13	0.66	1.86	10
1984.....	1.05	0.12	0.68	1.85	10
1983.....	1.13	0.12	0.69	1.94	9
1982.....	1.14	0.12	0.73	1.99	9
1981.....	1.13	0.11	0.75	1.99	9
1980.....	1.08	0.10	0.74	1.91	10
1979.....	1.10	0.09	0.77	1.97	10
1978.....	1.07	0.09	0.77	1.93	10
1977.....	1.19	0.09	0.75	2.03	9
Louisiana					
1996.....	1.51	0.22	0.73	2.47	2
1995.....	1.56	0.22	0.74	2.52	3
1994.....	1.46	0.21	0.73	2.41	3
1993.....	1.54	0.22	0.73	2.48	3
1992.....	1.56	0.23	0.74	2.53	3
1991.....	1.52	0.21	0.74	2.47	4
1990.....	1.55	0.23	0.78	2.56	4
1989.....	1.43	0.23	0.72	2.38	6
1988.....	1.44	0.24	0.69	2.37	7
1987.....	1.36	0.24	0.75	2.34	7
1986.....	1.39	0.26	0.78	2.42	7
1985.....	1.35	0.27	0.86	2.49	6
1984.....	1.40	0.29	0.94	2.63	6
1983.....	1.43	0.30	1.02	2.75	5
1982.....	1.49	0.30	1.00	2.78	5
1981.....	1.48	0.27	1.02	2.77	6
1980.....	1.41	0.27	1.04	2.71	6
1979.....	1.36	0.26	1.08	2.70	6
1978.....	1.35	0.25	1.07	2.67	6
1977.....	1.30	0.25	1.03	2.57	6
Maine					
1996.....	1.17	0.33	0.71	2.21	6
1995.....	1.17	0.26	0.72	2.15	6
1994.....	1.13	0.27	0.77	2.17	7
1993.....	1.15	0.29	0.79	2.22	6
1992.....	1.16	0.29	0.78	2.23	7
1991.....	1.19	0.30	0.77	2.25	6
1990.....	1.22	0.31	0.82	2.35	6
1989.....	1.25	0.34	0.85	2.44	5
1988.....	1.28	0.36	0.91	2.54	5
1987.....	1.26	0.38	0.91	2.55	5
1986.....	1.28	0.36	0.91	2.56	5
1985.....	1.29	0.33	0.94	2.56	6
1984.....	1.25	0.31	1.01	2.57	6
1983.....	1.32	0.29	1.03	2.63	6
1982.....	1.30	0.30	1.02	2.63	6
1981.....	1.24	0.28	1.05	2.57	7
1980.....	1.32	0.29	1.06	2.67	6
1979.....	1.30	0.27	1.08	2.65	6
1978.....	1.31	0.27	1.05	2.62	6
1977.....	1.37	0.23	1.04	2.64	6

Decile values apply only to State-level data. Numbers may not sum due to rounding.

**Table 3.** Per capita ethanol consumption for States, census regions, and the United States, 1977–96. [Gallons of ethanol, based on population age 14 and older] (Continued)

State or other geographic area	Per capita consumption				U.S. decile for all beverages
	Beer	Wine	Spirits	All beverages	
Maryland					
1996 .....	1.05	0.29	0.75	2.09	7
1995 .....	1.07	0.28	0.75	2.09	7
1994 .....	1.09	0.28	0.78	2.15	7
1993 .....	1.10	0.28	0.80	2.19	7
1992 .....	1.11	0.29	0.86	2.26	6
1991 .....	1.15	0.30	0.89	2.34	6
1990 .....	1.22	0.33	0.96	2.51	5
1989 .....	1.22	0.34	0.98	2.54	4
1988 .....	1.26	0.36	1.01	2.62	4
1987 .....	1.29	0.38	1.07	2.74	3
1986 .....	1.29	0.39	1.08	2.75	4
1985 .....	1.31	0.36	1.14	2.81	4
1984 .....	1.31	0.36	1.17	2.84	4
1983 .....	1.34	0.35	1.20	2.89	4
1982 .....	1.27	0.32	1.17	2.77	5
1981 .....	1.39	0.34	1.33	3.06	4
1980 .....	1.42	0.33	1.35	3.09	4
1979 .....	1.43	0.31	1.39	3.14	3
1978 .....	1.41	0.31	1.38	3.09	3
1977 .....	1.37	0.30	1.39	3.05	3
Massachusetts					
1996 .....	1.15	0.48	0.78	2.41	3
1995 .....	1.14	0.45	0.79	2.37	3
1994 .....	1.15	0.45	0.81	2.40	3
1993 .....	1.15	0.44	0.80	2.39	4
1992 .....	1.13	0.44	0.83	2.40	5
1991 .....	1.19	0.43	0.87	2.49	3
1990 .....	1.22	0.45	0.97	2.64	3
1989 .....	1.26	0.47	1.02	2.75	3
1988 .....	1.29	0.50	1.07	2.86	3
1987 .....	1.29	0.51	1.12	2.93	3
1986 .....	1.31	0.53	1.12	2.96	3
1985 .....	1.30	0.51	1.21	3.01	3
1984 .....	1.30	0.51	1.24	3.04	3
1983 .....	1.36	0.50	1.21	3.07	3
1982 .....	1.35	0.49	1.22	3.07	3
1981 .....	1.44	0.49	1.24	3.17	3
1980 .....	1.47	0.45	1.27	3.19	3
1979 .....	1.39	0.42	1.23	3.04	4
1978 .....	1.37	0.40	1.25	3.02	4
1977 .....	1.34	0.37	1.24	2.95	3
Michigan					
1996 .....	1.22	0.22	0.68	2.12	7
1995 .....	1.22	0.21	0.68	2.11	7
1994 .....	1.24	0.21	0.68	2.13	7
1993 .....	1.27	0.21	0.73	2.20	7
1992 .....	1.26	0.22	0.74	2.22	7
1991 .....	1.31	0.22	0.75	2.27	6
1990 .....	1.34	0.28	0.81	2.42	6
1989 .....	1.29	0.30	0.80	2.38	6
1988 .....	1.31	0.32	0.84	2.47	6
1987 .....	1.32	0.33	0.85	2.50	6
1986 .....	1.33	0.33	0.90	2.56	5
1985 .....	1.30	0.32	0.95	2.58	6
1984 .....	1.32	0.31	0.97	2.60	6
1983 .....	1.35	0.28	0.97	2.60	6
1982 .....	1.35	0.39	0.98	2.72	6
1981 .....	1.34	0.29	1.00	2.63	6
1980 .....	1.34	0.28	1.03	2.65	6
1979 .....	1.37	0.25	1.03	2.65	6
1978 .....	1.43	0.25	1.05	2.74	5
1977 .....	1.45	0.24	1.02	2.71	5
Minnesota					
1996 .....	1.27	0.26	0.88	2.41	3
1995 .....	1.25	0.26	0.83	2.35	4
1994 .....	1.28	0.25	0.84	2.38	4
1993 .....	1.25	0.25	0.85	2.35	5
1992 .....	1.26	0.25	0.86	2.37	5
1991 .....	1.30	0.24	0.82	2.35	6

Decile values apply only to State-level data. Numbers may not sum due to rounding.

**Table 3.** Per capita ethanol consumption for States, census regions, and the United States, 1977–96. [Gallons of ethanol, based on population age 14 and older] (Continued)

State or other geographic area	Per capita consumption				U.S. decile for all beverages
	Beer	Wine	Spirits	All beverages	
1990.....	1.33	0.27	0.96	2.56	5
1989.....	1.28	0.27	0.88	2.43	5
1988.....	1.30	0.30	0.89	2.49	5
1987.....	1.31	0.32	0.94	2.56	5
1986.....	1.30	0.33	0.92	2.56	6
1985.....	1.31	0.31	1.06	2.68	5
1984.....	1.34	0.28	1.07	2.68	5
1983.....	1.37	0.27	1.10	2.74	6
1982.....	1.36	0.27	1.11	2.75	6
1981.....	1.39	0.27	1.18	2.83	5
1980.....	1.40	0.26	1.20	2.85	5
1979.....	1.35	0.24	1.16	2.75	5
1978.....	1.31	0.23	1.15	2.69	5
1977.....	1.30	0.20	1.15	2.65	5
Mississippi					
1996.....	1.39	0.09	0.62	2.10	7
1995.....	1.37	0.09	0.62	2.08	7
1994.....	1.29	0.08	0.64	2.01	7
1993.....	1.38	0.10	0.63	2.12	7
1992.....	1.36	0.09	0.64	2.09	8
1991.....	1.33	0.09	0.64	2.06	8
1990.....	1.35	0.09	0.66	2.10	8
1989.....	1.26	0.09	0.65	2.00	9
1988.....	1.28	0.09	0.66	2.03	9
1987.....	1.26	0.09	0.66	2.01	9
1986.....	1.26	0.10	0.68	2.04	9
1985.....	1.21	0.10	0.73	2.04	9
1984.....	1.19	0.11	0.77	2.06	9
1983.....	1.19	0.11	0.79	2.09	9
1982.....	1.19	0.11	0.82	2.11	9
1981.....	1.19	0.11	0.84	2.14	9
1980.....	1.13	0.10	0.86	2.09	9
1979.....	1.15	0.10	0.84	2.09	9
1978.....	1.16	0.10	0.91	2.18	8
1977.....	1.08	0.11	0.86	2.05	8
Missouri					
1996.....	1.32	0.22	0.58	2.12	7
1995.....	1.33	0.21	0.63	2.16	6
1994.....	1.37	0.20	0.67	2.24	6
1993.....	1.34	0.20	0.67	2.22	6
1992.....	1.34	0.22	0.69	2.25	6
1991.....	1.35	0.22	0.64	2.21	7
1990.....	1.38	0.22	0.70	2.30	7
1989.....	1.33	0.22	0.69	2.24	7
1988.....	1.33	0.25	0.69	2.28	7
1987.....	1.36	0.27	0.72	2.35	7
1986.....	1.36	0.28	0.72	2.36	7
1985.....	1.33	0.26	0.76	2.36	7
1984.....	1.34	0.25	0.68	2.27	8
1983.....	1.37	0.22	0.78	2.37	8
1982.....	1.38	0.21	0.79	2.38	7
1981.....	1.40	0.21	0.83	2.45	7
1980.....	1.39	0.20	0.84	2.44	7
1979.....	1.37	0.20	0.86	2.43	7
1978.....	1.31	0.20	0.89	2.40	7
1977.....	1.23	0.19	0.83	2.25	8
Montana					
1996.....	1.50	0.27	0.64	2.41	3
1995.....	1.50	0.27	0.79	2.55	2
1994.....	1.58	0.25	0.70	2.53	2
1993.....	1.50	0.25	0.73	2.48	3
1992.....	1.59	0.26	0.75	2.60	2
1991.....	1.61	0.28	0.76	2.65	3
1990.....	1.61	0.29	0.77	2.67	3
1989.....	1.56	0.29	0.72	2.57	4
1988.....	1.59	0.32	0.76	2.66	4
1987.....	1.57	0.33	0.77	2.67	4
1986.....	1.58	0.34	0.81	2.73	4
1985.....	1.60	0.33	0.88	2.81	4
1984.....	1.70	0.32	0.93	2.95	3

Decile values apply only to State-level data. Numbers may not sum due to rounding.

**Table 3.** Per capita ethanol consumption for States, census regions, and the United States, 1977–96. [Gallons of ethanol, based on population age 14 and older] (Continued)

State or other geographic area	Per capita consumption				U.S. decile for all beverages
	Beer	Wine	Spirits	All beverages	
1983.....	1.79	0.32	0.99	3.09	3
1982.....	1.82	0.32	1.02	3.17	3
1981.....	1.90	0.33	1.05	3.28	3
1980.....	1.82	0.35	1.04	3.21	3
1979.....	1.83	0.41	1.05	3.29	3
1978.....	1.82	0.20	1.07	3.10	3
1977.....	1.83	0.20	1.10	3.12	3
Nebraska					
1996.....	1.37	0.19	0.58	2.13	7
1995.....	1.36	0.19	0.58	2.13	7
1994.....	1.41	0.18	0.58	2.17	6
1993.....	1.38	0.18	0.60	2.15	7
1992.....	1.39	0.18	0.62	2.18	7
1991.....	1.40	0.18	0.61	2.20	7
1990.....	1.42	0.20	0.64	2.26	7
1989.....	1.37	0.19	0.62	2.18	7
1988.....	1.37	0.22	0.65	2.23	7
1987.....	1.40	0.22	0.65	2.27	7
1986.....	1.38	0.23	0.67	2.28	7
1985.....	1.40	0.22	0.75	2.37	7
1984.....	1.44	0.20	0.76	2.41	7
1983.....	1.49	0.21	0.79	2.49	7
1982.....	1.50	0.28	0.58	2.37	7
1981.....	1.57	0.20	0.88	2.66	6
1980.....	1.56	0.19	0.89	2.64	6
1979.....	1.50	0.18	0.88	2.57	7
1978.....	1.47	0.18	0.89	2.54	7
1977.....	1.45	0.17	0.91	2.53	6
Nevada					
1996.....	2.00	0.61	1.46	4.07	1
1995.....	1.94	0.60	1.45	4.00	1
1994.....	2.00	0.59	1.56	4.15	1
1993.....	2.00	0.59	1.58	4.18	1
1992.....	2.05	0.63	1.64	4.32	1
1991.....	2.07	0.63	1.65	4.36	1
1990.....	2.18	0.70	1.93	4.81	1
1989.....	2.18	0.73	1.92	4.83	1
1988.....	2.13	0.78	2.00	4.91	1
1987.....	2.05	0.84	2.09	4.99	1
1986.....	2.07	0.88	2.11	5.05	1
1985.....	1.96	0.84	2.18	4.99	1
1984.....	2.01	0.82	2.36	5.19	1
1983.....	1.98	0.79	2.45	5.22	1
1982.....	1.99	0.77	2.50	5.25	1
1981.....	2.08	0.80	2.71	5.59	1
1980.....	2.09	0.79	2.94	5.82	1
1979.....	2.28	0.88	3.28	6.44	1
1978.....	2.20	0.85	3.65	6.69	1
1977.....	2.15	0.83	3.85	6.84	1
New Hampshire					
1996.....	1.74	0.55	1.86	4.16	1
1995.....	1.75	0.51	1.87	4.13	1
1994.....	1.75	0.48	1.90	4.14	1
1993.....	1.83	0.54	2.02	4.39	1
1992.....	1.81	0.52	1.96	4.28	1
1991.....	1.86	0.49	1.97	4.31	1
1990.....	1.85	0.49	1.98	4.32	1
1989.....	1.87	0.50	1.99	4.37	1
1988.....	1.91	0.49	1.94	4.33	1
1987.....	1.93	0.50	1.98	4.41	1
1986.....	1.93	0.52	2.06	4.51	1
1985.....	1.99	0.53	2.21	4.73	1
1984.....	1.99	0.59	2.33	4.91	1
1983.....	2.17	0.56	2.35	5.08	1
1982.....	1.89	0.58	2.34	4.81	1
1981.....	1.89	0.59	2.44	4.92	1
1980.....	2.21	0.69	2.86	5.76	1
1979.....	1.98	0.62	2.61	5.20	1
1978.....	1.99	0.54	2.94	5.46	1
1977.....	1.89	0.50	2.93	5.32	1

Decile values apply only to State-level data. Numbers may not sum due to rounding.

**Table 3.** Per capita ethanol consumption for States, census regions, and the United States, 1977–96. [Gallons of ethanol, based on population age 14 and older] (Continued)

State or other geographic area	Per capita consumption				U.S. decile for all beverages
	Beer	Wine	Spirits	All beverages	
New Jersey					
1996 .....	1.02	0.45	0.78	2.25	5
1995 .....	1.05	0.44	0.77	2.25	5
1994 .....	1.06	0.44	0.80	2.30	5
1993 .....	1.08	0.43	0.80	2.31	5
1992 .....	1.08	0.44	0.84	2.35	5
1991 .....	1.10	0.43	0.82	2.35	5
1990 .....	1.16	0.49	0.95	2.59	4
1989 .....	1.13	0.50	0.96	2.59	3
1988 .....	1.15	0.51	0.93	2.58	4
1987 .....	1.18	0.54	1.01	2.72	4
1986 .....	1.18	0.56	1.03	2.77	4
1985 .....	1.18	0.55	1.08	2.81	4
1984 .....	1.19	0.55	1.10	2.83	4
1983 .....	1.21	0.52	1.13	2.86	4
1982 .....	1.22	0.52	1.13	2.87	4
1981 .....	1.22	0.51	1.15	2.87	5
1980 .....	1.23	0.47	1.13	2.83	5
1979 .....	1.18	0.43	1.10	2.71	6
1978 .....	1.17	0.42	1.10	2.69	6
1977 .....	1.16	0.40	1.13	2.69	5
New Mexico					
1996 .....	1.58	0.23	0.60	2.41	3
1995 .....	1.59	0.23	0.60	2.43	3
1994 .....	1.50	0.19	0.61	2.30	5
1993 .....	1.55	0.23	0.64	2.43	3
1992 .....	1.57	0.25	0.67	2.49	4
1991 .....	1.64	0.26	0.65	2.56	3
1990 .....	1.69	0.28	0.68	2.65	3
1989 .....	1.64	0.29	0.65	2.58	4
1988 .....	1.63	0.33	0.67	2.64	4
1987 .....	1.63	0.35	0.67	2.65	4
1986 .....	1.64	0.35	0.70	2.70	4
1985 .....	1.70	0.36	0.77	2.83	4
1984 .....	1.71	0.28	0.76	2.75	5
1983 .....	1.72	0.31	0.98	3.00	4
1982 .....	1.72	0.34	0.94	3.00	4
1981 .....	1.74	0.32	0.95	3.01	4
1980 .....	1.66	0.32	1.00	2.99	4
1979 .....	1.71	0.30	1.01	3.02	4
1978 .....	1.68	0.32	0.98	2.99	4
1977 .....	1.65	0.32	0.96	2.93	4
New York					
1996 .....	0.99	0.37	0.58	1.94	8
1995 .....	1.00	0.39	0.57	1.96	8
1994 .....	1.00	0.35	0.61	1.96	8
1993 .....	1.01	0.36	0.63	2.00	8
1992 .....	1.05	0.37	0.68	2.11	8
1991 .....	1.09	0.37	0.69	2.15	7
1990 .....	1.13	0.41	0.76	2.31	7
1989 .....	1.12	0.42	0.82	2.36	7
1988 .....	1.15	0.45	0.87	2.47	6
1987 .....	1.15	0.48	0.90	2.53	5
1986 .....	1.13	0.50	0.92	2.55	6
1985 .....	1.14	0.49	0.98	2.62	5
1984 .....	1.15	0.49	1.03	2.67	5
1983 .....	1.23	0.49	1.05	2.77	5
1982 .....	1.26	0.48	1.10	2.84	5
1981 .....	1.25	0.46	1.12	2.83	5
1980 .....	1.28	0.46	1.18	2.91	5
1979 .....	1.21	0.44	1.17	2.82	5
1978 .....	1.18	0.42	1.17	2.77	5
1977 .....	1.18	0.38	1.17	2.74	5
North Carolina					
1996 .....	1.18	0.24	0.54	1.96	8
1995 .....	1.15	0.23	0.54	1.91	8
1994 .....	1.16	0.22	0.56	1.94	8
1993 .....	1.16	0.22	0.57	1.96	8
1992 .....	1.16	0.23	0.60	1.98	8
1991 .....	1.12	0.24	0.61	1.97	9

Decile values apply only to State-level data. Numbers may not sum due to rounding.

**Table 3.** Per capita ethanol consumption for States, census regions, and the United States, 1977–96. [Gallons of ethanol, based on population age 14 and older] (Continued)

State or other geographic area	Per capita consumption				U.S. decile for all beverages
	Beer	Wine	Spirits	All beverages	
1990.....	1.16	0.27	0.65	2.09	9
1989.....	1.13	0.27	0.66	2.06	8
1988.....	1.12	0.28	0.68	2.09	8
1987.....	1.11	0.28	0.71	2.10	8
1986.....	1.12	0.30	0.74	2.15	8
1985.....	1.09	0.27	0.76	2.13	8
1984.....	1.11	0.24	0.78	2.13	8
1983.....	1.10	0.22	0.80	2.12	9
1982.....	1.07	0.21	0.85	2.13	9
1981.....	1.10	0.21	0.86	2.17	9
1980.....	1.11	0.20	0.86	2.17	9
1979.....	1.08	0.22	0.88	2.18	8
1978.....	1.06	0.20	0.86	2.12	9
1977.....	1.01	0.20	0.84	2.05	8
North Dakota					
1996.....	1.49	0.13	0.78	2.40	3
1995.....	1.40	0.15	0.77	2.31	4
1994.....	1.40	0.15	0.79	2.35	4
1993.....	1.38	0.16	0.84	2.38	4
1992.....	1.39	0.15	0.86	2.41	5
1991.....	1.43	0.16	0.86	2.45	4
1990.....	1.47	0.17	0.93	2.58	4
1989.....	1.38	0.17	0.84	2.38	6
1988.....	1.38	0.19	0.86	2.43	6
1987.....	1.34	0.20	0.87	2.42	6
1986.....	1.32	0.22	0.86	2.40	7
1985.....	1.33	0.19	0.96	2.48	7
1984.....	1.40	0.17	0.98	2.55	6
1983.....	1.48	0.17	1.05	2.71	6
1982.....	1.52	0.18	1.09	2.79	5
1981.....	1.53	0.18	1.14	2.85	5
1980.....	1.53	0.17	1.14	2.83	5
1979.....	1.45	0.16	1.10	2.71	6
1978.....	1.45	0.16	1.15	2.76	5
1977.....	1.35	0.15	1.12	2.62	6
Ohio					
1996.....	1.31	0.18	0.46	1.94	8
1995.....	1.28	0.17	0.46	1.91	9
1994.....	1.31	0.16	0.38	1.85	9
1993.....	1.30	0.16	0.50	1.95	9
1992.....	1.32	0.17	0.50	1.98	8
1991.....	1.33	0.19	0.51	2.03	8
1990.....	1.35	0.22	0.53	2.09	8
1989.....	1.35	0.22	0.50	2.07	8
1988.....	1.34	0.24	0.54	2.11	8
1987.....	1.35	0.24	0.59	2.17	8
1986.....	1.32	0.25	0.60	2.17	8
1985.....	1.37	0.25	0.59	2.20	8
1984.....	1.41	0.25	0.61	2.26	8
1983.....	1.36	0.22	0.65	2.22	8
1982.....	1.40	0.22	0.66	2.28	8
1981.....	1.35	0.22	0.68	2.25	8
1980.....	1.39	0.22	0.72	2.33	8
1979.....	1.36	0.20	0.71	2.26	8
1978.....	1.19	0.20	0.70	2.09	9
1977.....	1.17	0.18	0.70	2.04	9
Oklahoma					
1996.....	1.11	0.14	0.45	1.70	10
1995.....	1.11	0.13	0.50	1.74	10
1994.....	1.16	0.13	0.51	1.80	9
1993.....	1.12	0.11	0.48	1.71	10
1992.....	1.14	0.13	0.55	1.82	9
1991.....	1.09	0.13	0.54	1.77	10
1990.....	1.12	0.14	0.56	1.81	10
1989.....	1.05	0.13	0.53	1.70	10
1988.....	1.05	0.14	0.50	1.69	10
1987.....	1.04	0.15	0.57	1.76	10
1986.....	1.04	0.15	0.61	1.80	10
1985.....	1.04	0.15	0.68	1.87	10
1984.....	1.01	0.16	0.74	1.91	9

Decile values apply only to State-level data. Numbers may not sum due to rounding.

**Table 3.** Per capita ethanol consumption for States, census regions, and the United States, 1977–96. [Gallons of ethanol, based on population age 14 and older] (Continued)

State or other geographic area	Per capita consumption				U.S. decile for all beverages
	Beer	Wine	Spirits	All beverages	
1983.....	1.05	0.16	0.77	1.98	9
1982.....	1.17	0.16	0.83	2.17	8
1981.....	1.14	0.16	0.83	2.13	9
1980.....	1.08	0.16	0.71	1.95	9
1979.....	1.05	0.13	0.80	1.98	9
1978.....	1.08	0.14	0.82	2.04	9
1977.....	1.07	0.14	0.78	1.98	9
Oregon					
1996.....	1.24	0.44	0.61	2.30	5
1995.....	1.23	0.42	0.60	2.25	5
1994.....	1.24	0.37	0.63	2.24	6
1993.....	1.25	0.43	0.65	2.33	5
1992.....	1.30	0.46	0.67	2.43	4
1991.....	1.28	0.44	0.67	2.39	5
1990.....	1.32	0.47	0.73	2.52	5
1989.....	1.26	0.46	0.69	2.41	6
1988.....	1.27	0.51	0.71	2.48	5
1987.....	1.26	0.53	0.72	2.50	6
1986.....	1.26	0.54	0.73	2.54	6
1985.....	1.25	0.55	0.77	2.57	6
1984.....	1.28	0.53	0.82	2.63	6
1983.....	1.31	0.53	0.85	2.69	6
1982.....	1.33	0.53	0.88	2.74	6
1981.....	1.38	0.50	0.92	2.80	6
1980.....	1.37	0.51	0.94	2.82	5
1979.....	1.39	0.47	0.96	2.82	5
1978.....	1.34	0.47	0.98	2.79	5
1977.....	1.33	0.46	0.96	2.74	5
Pennsylvania					
1996.....	1.24	0.19	0.45	1.88	9
1995.....	1.21	0.16	0.45	1.83	9
1994.....	1.29	0.18	0.47	1.94	8
1993.....	1.32	0.17	0.48	1.97	8
1992.....	1.30	0.18	0.51	1.99	8
1991.....	1.36	0.17	0.52	2.06	8
1990.....	1.42	0.18	0.55	2.16	8
1989.....	1.36	0.18	0.56	2.10	7
1988.....	1.39	0.19	0.53	2.11	8
1987.....	1.38	0.20	0.61	2.20	8
1986.....	1.38	0.21	0.64	2.23	8
1985.....	1.37	0.21	0.65	2.22	8
1984.....	1.37	0.21	0.66	2.25	8
1983.....	1.41	0.22	0.67	2.29	8
1982.....	1.44	0.23	0.70	2.36	8
1981.....	1.42	0.23	0.72	2.37	8
1980.....	1.45	0.22	0.71	2.39	7
1979.....	1.42	0.22	0.73	2.37	8
1978.....	1.36	0.21	0.74	2.32	8
1977.....	1.35	0.20	0.74	2.29	8
Rhode Island					
1996.....	1.20	0.44	0.68	2.31	5
1995.....	1.22	0.40	0.62	2.24	5
1994.....	1.26	0.39	0.67	2.33	4
1993.....	1.24	0.37	0.70	2.31	5
1992.....	1.26	0.40	0.71	2.36	5
1991.....	1.33	0.38	0.72	2.43	4
1990.....	1.32	0.44	0.79	2.55	5
1989.....	1.37	0.46	0.87	2.69	3
1988.....	1.39	0.49	0.97	2.85	3
1987.....	1.40	0.51	0.94	2.85	3
1986.....	1.41	0.53	0.93	2.86	3
1985.....	1.40	0.51	1.03	2.94	3
1984.....	1.37	0.52	1.03	2.92	3
1983.....	1.48	0.50	1.06	3.04	3
1982.....	1.34	0.55	1.04	2.93	4
1981.....	1.36	0.52	1.04	2.92	4
1980.....	1.46	0.53	1.14	3.14	3
1979.....	1.46	0.50	1.11	3.07	3
1978.....	1.41	0.50	1.16	3.07	3
1977.....	1.39	0.43	1.12	2.93	4

Decile values apply only to State-level data. Numbers may not sum due to rounding.

**Table 3.** Per capita ethanol consumption for States, census regions, and the United States, 1977–96. [Gallons of ethanol, based on population age 14 and older] (Continued)

State or other geographic area	Per capita consumption				U.S. decile for all beverages
	Beer	Wine	Spirits	All beverages	
<b>South Carolina</b>					
1996 .....	1.42	0.22	0.72	2.36	4
1995 .....	1.40	0.18	0.68	2.27	5
1994 .....	1.40	0.17	0.75	2.31	5
1993 .....	1.37	0.20	0.75	2.32	5
1992 .....	1.35	0.20	0.79	2.34	6
1991 .....	1.35	0.23	0.84	2.42	5
1990 .....	1.45	0.26	0.92	2.63	4
1989 .....	1.37	0.24	0.86	2.47	5
1988 .....	1.37	0.26	0.89	2.51	5
1987 .....	1.34	0.27	0.88	2.49	6
1986 .....	1.30	0.27	0.92	2.50	6
1985 .....	1.26	0.25	0.99	2.49	6
1984 .....	1.26	0.24	1.00	2.50	7
1983 .....	1.26	0.20	1.01	2.47	7
1982 .....	1.24	0.20	1.00	2.44	7
1981 .....	1.25	0.19	1.05	2.49	7
1980 .....	1.22	0.18	1.06	2.46	7
1979 .....	1.25	0.17	1.18	2.60	7
1978 .....	1.20	0.17	1.21	2.59	7
1977 .....	1.17	0.17	1.14	2.49	7
<b>South Dakota</b>					
1996 .....	1.38	0.13	0.69	2.21	6
1995 .....	1.36	0.12	0.74	2.22	6
1994 .....	1.41	0.13	0.74	2.28	5
1993 .....	1.36	0.13	0.74	2.23	6
1992 .....	1.38	0.15	0.74	2.27	6
1991 .....	1.36	0.15	0.76	2.28	6
1990 .....	1.37	0.18	0.80	2.35	6
1989 .....	1.25	0.15	0.70	2.09	8
1988 .....	1.21	0.16	0.76	2.13	8
1987 .....	1.24	0.19	0.79	2.22	8
1986 .....	1.22	0.19	0.81	2.23	8
1985 .....	1.22	0.18	0.94	2.34	8
1984 .....	1.27	0.17	0.89	2.33	7
1983 .....	1.30	0.17	0.95	2.43	7
1982 .....	1.29	0.18	0.98	2.45	7
1981 .....	1.32	0.19	1.05	2.56	7
1980 .....	1.30	0.18	1.07	2.56	7
1979 .....	1.23	0.17	1.04	2.44	7
1978 .....	1.19	0.17	1.05	2.42	7
1977 .....	1.15	0.17	1.06	2.38	7
<b>Tennessee</b>					
1996 .....	1.20	0.16	0.52	1.89	9
1995 .....	1.19	0.19	0.53	1.90	9
1994 .....	1.20	0.15	0.54	1.88	9
1993 .....	1.21	0.14	0.54	1.89	9
1992 .....	1.21	0.14	0.56	1.91	9
1991 .....	1.19	0.13	0.55	1.87	9
1990 .....	1.22	0.15	0.61	1.97	9
1989 .....	1.18	0.14	0.59	1.90	9
1988 .....	1.20	0.14	0.60	1.95	9
1987 .....	1.17	0.15	0.62	1.94	9
1986 .....	1.17	0.16	0.63	1.96	9
1985 .....	1.11	0.16	0.67	1.94	9
1984 .....	1.11	0.15	0.70	1.95	9
1983 .....	1.10	0.14	0.69	1.93	10
1982 .....	1.13	0.14	0.70	1.96	10
1981 .....	1.14	0.13	0.72	1.98	10
1980 .....	1.10	0.12	0.69	1.92	9
1979 .....	1.14	0.11	0.73	1.98	9
1978 .....	1.16	0.11	0.72	1.99	9
1977 .....	1.10	0.10	0.71	1.91	10
<b>Texas</b>					
1996 .....	1.57	0.22	0.49	2.28	5
1995 .....	1.57	0.19	0.49	2.25	5
1994 .....	1.62	0.20	0.52	2.34	4
1993 .....	1.62	0.20	0.54	2.35	4
1992 .....	1.66	0.24	0.55	2.46	4
1991 .....	1.60	0.25	0.56	2.40	5

Decile values apply only to State-level data. Numbers may not sum due to rounding.

**Table 3.** Per capita ethanol consumption for States, census regions, and the United States, 1977–96. [Gallons of ethanol, based on population age 14 and older] (Continued)

State or other geographic area	Per capita consumption				U.S. decile for all beverages
	Beer	Wine	Spirits	All beverages	
1990.....	1.64	0.26	0.58	2.48	6
1989.....	1.62	0.26	0.58	2.46	5
1988.....	1.61	0.28	0.59	2.47	6
1987.....	1.61	0.29	0.61	2.51	6
1986.....	1.67	0.31	0.65	2.63	5
1985.....	1.68	0.30	0.73	2.70	5
1984.....	1.74	0.28	0.79	2.82	4
1983.....	1.73	0.27	0.79	2.79	5
1982.....	1.83	0.18	0.84	2.85	4
1981.....	1.84	0.24	0.85	2.93	4
1980.....	1.77	0.22	0.81	2.80	6
1979.....	1.76	0.14	0.87	2.77	5
1978.....	1.70	0.14	0.84	2.68	6
1977.....	1.63	0.14	0.81	2.58	6
Utah					
1996.....	0.80	0.10	0.39	1.29	10
1995.....	0.75	0.10	0.39	1.24	10
1994.....	0.79	0.09	0.40	1.28	10
1993.....	0.80	0.11	0.40	1.32	10
1992.....	0.81	0.12	0.43	1.36	10
1991.....	0.81	0.12	0.43	1.36	10
1990.....	0.81	0.12	0.47	1.40	10
1989.....	0.82	0.13	0.47	1.42	10
1988.....	0.83	0.14	0.49	1.45	10
1987.....	0.84	0.15	0.50	1.49	10
1986.....	0.89	0.17	0.52	1.58	10
1985.....	0.90	0.15	0.53	1.58	10
1984.....	0.88	0.14	0.52	1.53	10
1983.....	0.88	0.14	0.50	1.52	10
1982.....	1.01	0.15	0.55	1.71	10
1981.....	1.01	0.15	0.58	1.74	10
1980.....	0.96	0.14	0.60	1.71	10
1979.....	0.97	0.16	0.62	1.75	10
1978.....	0.96	0.15	0.61	1.72	10
1977.....	0.97	0.14	0.59	1.70	10
Vermont					
1996.....	1.29	0.46	0.64	2.39	4
1995.....	1.27	0.41	0.66	2.34	4
1994.....	1.33	0.42	0.74	2.49	3
1993.....	1.33	0.44	0.74	2.51	3
1992.....	1.34	0.44	0.78	2.56	3
1991.....	1.40	0.47	0.82	2.68	2
1990.....	1.47	0.48	0.86	2.81	2
1989.....	1.45	0.51	0.88	2.84	2
1988.....	1.51	0.56	0.93	3.00	2
1987.....	1.56	0.58	0.98	3.11	1
1986.....	1.55	0.59	1.04	3.17	1
1985.....	1.49	0.55	1.09	3.13	2
1984.....	1.48	0.49	1.15	3.12	2
1983.....	1.52	0.50	1.19	3.21	2
1982.....	1.49	0.50	1.25	3.24	2
1981.....	1.49	0.50	1.33	3.32	2
1980.....	1.43	0.48	1.39	3.30	2
1979.....	1.57	0.47	1.50	3.54	1
1978.....	1.53	0.47	1.59	3.59	1
1977.....	1.42	0.44	1.58	3.44	1
Virginia					
1996.....	1.14	0.30	0.49	1.93	8
1995.....	1.16	0.29	0.49	1.94	8
1994.....	1.21	0.27	0.52	2.00	8
1993.....	1.24	0.27	0.54	2.06	8
1992.....	1.26	0.28	0.57	2.11	8
1991.....	1.20	0.28	0.58	2.07	8
1990.....	1.26	0.30	0.63	2.19	7
1989.....	1.23	0.31	0.65	2.19	7
1988.....	1.31	0.25	0.68	2.24	7
1987.....	1.40	0.26	0.71	2.36	7
1986.....	1.52	0.27	0.74	2.53	6
1985.....	1.46	0.30	0.79	2.55	6
1984.....	1.46	0.29	0.80	2.55	6

Decile values apply only to State-level data. Numbers may not sum due to rounding.

**Table 3.** Per capita ethanol consumption for States, census regions, and the United States, 1977–96. [Gallons of ethanol, based on population age 14 and older] (Continued)

State or other geographic area	Per capita consumption				U.S. decile for all beverages
	Beer	Wine	Spirits	All beverages	
1983.....	1.47	0.27	0.82	2.57	6
1982.....	1.45	0.27	0.86	2.59	6
1981.....	1.23	0.27	0.89	2.39	7
1980.....	1.23	0.25	0.91	2.39	7
1979.....	1.23	0.25	0.92	2.40	8
1978.....	1.22	0.21	0.90	2.33	8
1977.....	1.19	0.21	0.90	2.30	7
Washington					
1996.....	1.13	0.40	0.63	2.17	6
1995.....	1.15	0.40	0.63	2.18	6
1994.....	1.19	0.40	0.66	2.24	5
1993.....	1.19	0.39	0.70	2.28	6
1992.....	1.26	0.46	0.73	2.45	4
1991.....	1.23	0.43	0.73	2.40	5
1990.....	1.28	0.46	0.76	2.50	5
1989.....	1.24	0.47	0.75	2.45	5
1988.....	1.22	0.50	0.77	2.49	5
1987.....	1.23	0.56	0.79	2.58	5
1986.....	1.23	0.61	0.82	2.65	5
1985.....	1.22	0.59	0.87	2.68	5
1984.....	1.24	0.57	0.91	2.71	5
1983.....	1.29	0.54	0.94	2.76	5
1982.....	1.33	0.53	0.99	2.85	4
1981.....	1.38	0.54	1.05	2.97	4
1980.....	1.52	0.52	1.08	3.12	3
1979.....	1.41	0.48	1.10	2.99	4
1978.....	1.39	0.48	1.09	2.96	4
1977.....	1.36	0.45	1.08	2.89	4
West Virginia					
1996.....	1.14	0.10	0.37	1.60	10
1995.....	1.14	0.09	0.38	1.60	10
1994.....	1.17	0.08	0.39	1.64	10
1993.....	1.18	0.08	0.40	1.67	10
1992.....	1.16	0.09	0.41	1.66	10
1991.....	1.18	0.09	0.43	1.70	10
1990.....	1.20	0.10	0.42	1.72	10
1989.....	1.12	0.11	0.38	1.60	10
1988.....	1.12	0.12	0.40	1.64	10
1987.....	1.11	0.13	0.41	1.64	10
1986.....	1.10	0.13	0.41	1.64	10
1985.....	1.11	0.13	0.42	1.66	10
1984.....	1.12	0.12	0.44	1.68	10
1983.....	1.13	0.13	0.48	1.74	10
1982.....	1.11	0.14	0.55	1.80	10
1981.....	1.06	0.14	0.66	1.85	10
1980.....	1.00	0.09	0.72	1.82	10
1979.....	0.97	0.09	0.77	1.83	10
1978.....	0.96	0.09	0.79	1.84	10
1977.....	0.98	0.09	0.78	1.85	10
Wisconsin					
1996.....	1.55	0.25	0.86	2.65	2
1995.....	1.58	0.23	0.88	2.69	1
1994.....	1.60	0.23	0.92	2.75	2
1993.....	1.60	0.23	0.90	2.73	1
1992.....	1.60	0.25	0.91	2.76	2
1991.....	1.65	0.27	0.84	2.77	1
1990.....	1.74	0.31	1.03	3.08	1
1989.....	1.71	0.31	0.95	2.96	1
1988.....	1.75	0.33	0.95	3.02	2
1987.....	1.78	0.36	0.97	3.11	2
1986.....	1.87	0.34	0.95	3.16	2
1985.....	1.82	0.32	1.05	3.19	1
1984.....	1.86	0.30	1.03	3.19	2
1983.....	1.93	0.33	1.07	3.33	2
1982.....	1.93	0.30	1.04	3.27	2
1981.....	1.95	0.31	1.20	3.47	1
1980.....	1.96	0.31	1.20	3.46	1
1979.....	1.88	0.28	1.17	3.33	3
1978.....	1.80	0.28	1.18	3.25	2
1977.....	1.78	0.27	1.26	3.31	2

Decile values apply only to State-level data. Numbers may not sum due to rounding.

**Table 3.** Per capita ethanol consumption for States, census regions, and the United States, 1977–96. [Gallons of ethanol, based on population age 14 and older] (Continued)

State or other geographic area	Per capita consumption				U.S. decile for all beverages
	Beer	Wine	Spirits	All beverages	
Wyoming					
1996.....	1.39	0.17	0.81	2.37	4
1995.....	1.34	0.19	0.81	2.33	4
1994.....	1.44	0.18	0.84	2.46	3
1993.....	1.41	0.19	0.87	2.46	3
1992.....	1.45	0.20	0.92	2.58	3
1991.....	1.44	0.20	0.90	2.56	3
1990.....	1.48	0.22	0.93	2.63	4
1989.....	1.35	0.22	0.82	2.38	6
1988.....	1.39	0.23	0.84	2.46	6
1987.....	1.46	0.24	0.86	2.56	5
1986.....	1.46	0.26	0.92	2.64	5
1985.....	1.56	0.25	1.03	2.84	3
1984.....	1.58	0.22	1.05	2.86	4
1983.....	1.66	0.22	1.09	2.98	4
1982.....	1.80	0.24	1.21	3.25	2
1981.....	1.91	0.24	1.27	3.42	2
1980.....	1.85	0.24	1.32	3.42	2
1979.....	1.86	0.22	1.30	3.38	2
1978.....	1.82	0.22	1.36	3.41	2
1977.....	1.79	0.21	1.32	3.31	2
Northeast region					
1996.....	1.10	0.36	0.65	2.11	
1995.....	1.10	0.36	0.65	2.11	
1994.....	1.12	0.34	0.68	2.14	
1993.....	1.14	0.34	0.69	2.17	
1992.....	1.15	0.35	0.72	2.22	
1991.....	1.19	0.35	0.73	2.27	
1990.....	1.24	0.38	0.81	2.42	
1989.....	1.22	0.39	0.84	2.44	
1988.....	1.25	0.40	0.86	2.52	
1987.....	1.25	0.43	0.91	2.60	
1986.....	1.25	0.44	0.93	2.62	
1985.....	1.25	0.43	0.98	2.66	
1984.....	1.25	0.43	1.01	2.70	
1983.....	1.31	0.43	1.03	2.76	
1982.....	1.31	0.43	1.05	2.79	
1981.....	1.31	0.41	1.07	2.80	
1980.....	1.34	0.40	1.10	2.84	
1979.....	1.30	0.38	1.09	2.77	
1978.....	1.26	0.36	1.10	2.73	
1977.....	1.25	0.34	1.10	2.69	
Midwest region					
1996.....	1.29	0.23	0.63	2.15	
1995.....	1.29	0.22	0.63	2.15	
1994.....	1.32	0.22	0.63	2.17	
1993.....	1.31	0.22	0.67	2.20	
1992.....	1.32	0.23	0.68	2.22	
1991.....	1.35	0.23	0.68	2.26	
1990.....	1.38	0.26	0.74	2.38	
1989.....	1.34	0.26	0.71	2.31	
1988.....	1.36	0.28	0.74	2.38	
1987.....	1.37	0.29	0.76	2.42	
1986.....	1.37	0.30	0.78	2.44	
1985.....	1.37	0.28	0.83	2.48	
1984.....	1.39	0.27	0.84	2.50	
1983.....	1.41	0.25	0.87	2.53	
1982.....	1.42	0.27	0.88	2.56	
1981.....	1.42	0.26	0.93	2.61	
1980.....	1.42	0.24	0.96	2.63	
1979.....	1.41	0.23	0.95	2.58	
1978.....	1.35	0.22	0.96	2.53	
1977.....	1.32	0.21	0.96	2.49	
South region					
1996.....	1.32	0.24	0.62	2.18	
1995.....	1.31	0.22	0.62	2.14	
1994.....	1.33	0.22	0.65	2.19	
1993.....	1.34	0.22	0.67	2.22	
1992.....	1.34	0.23	0.70	2.27	
1991.....	1.31	0.23	0.69	2.24	

Decile values apply only to State-level data. Numbers may not sum due to rounding.

**Table 3.** Per capita ethanol consumption for States, census regions, and the United States, 1977–96. [Gallons of ethanol, based on population age 14 and older] (Continued)

State or other geographic area	Per capita consumption				U.S. decile for all beverages
	Beer	Wine	Spirits	All beverages	
1990.....	1.37	0.26	0.74	2.37	
1989.....	1.33	0.26	0.73	2.31	
1988.....	1.33	0.27	0.74	2.34	
1987.....	1.33	0.27	0.77	2.37	
1986.....	1.35	0.28	0.79	2.42	
1985.....	1.33	0.27	0.85	2.46	
1984.....	1.34	0.27	0.90	2.51	
1983.....	1.36	0.25	0.91	2.52	
1982.....	1.37	0.23	0.95	2.55	
1981.....	1.36	0.24	0.98	2.58	
1980.....	1.31	0.23	0.98	2.51	
1979.....	1.32	0.21	1.03	2.55	
1978.....	1.29	0.20	1.03	2.52	
1977.....	1.25	0.19	1.01	2.44	
West region					
1996.....	1.22	0.43	0.68	2.33	
1995.....	1.24	0.40	0.67	2.31	
1994.....	1.22	0.41	0.70	2.33	
1993.....	1.27	0.42	0.72	2.41	
1992.....	1.34	0.45	0.77	2.55	
1991.....	1.30	0.44	0.77	2.51	
1990.....	1.37	0.50	0.84	2.71	
1989.....	1.36	0.51	0.84	2.71	
1988.....	1.37	0.57	0.87	2.80	
1987.....	1.39	0.62	0.89	2.90	
1986.....	1.40	0.65	0.92	2.98	
1985.....	1.37	0.65	1.00	3.02	
1984.....	1.41	0.61	1.04	3.05	
1983.....	1.42	0.61	1.07	3.11	
1982.....	1.45	0.60	1.11	3.15	
1981.....	1.49	0.60	1.16	3.26	
1980.....	1.48	0.59	1.20	3.26	
1979.....	1.49	0.58	1.24	3.31	
1978.....	1.43	0.56	1.27	3.26	
1977.....	1.38	0.54	1.22	3.15	
U.S. total					
1996.....	1.25	0.30	0.64	2.19	
1995.....	1.25	0.29	0.64	2.17	
1994.....	1.26	0.29	0.66	2.21	
1993.....	1.28	0.29	0.68	2.25	
1992.....	1.29	0.30	0.71	2.31	
1991.....	1.29	0.30	0.71	2.30	
1990.....	1.34	0.33	0.78	2.45	
1989.....	1.31	0.34	0.77	2.42	
1988.....	1.33	0.36	0.79	2.48	
1987.....	1.34	0.38	0.82	2.54	
1986.....	1.34	0.39	0.84	2.58	
1985.....	1.33	0.38	0.90	2.62	
1984.....	1.35	0.37	0.94	2.65	
1983.....	1.37	0.36	0.96	2.69	
1982.....	1.38	0.36	0.98	2.72	
1981.....	1.39	0.35	1.02	2.76	
1980.....	1.38	0.34	1.04	2.76	
1979.....	1.37	0.32	1.06	2.75	
1978.....	1.33	0.31	1.07	2.71	
1977.....	1.29	0.29	1.06	2.64	

Decile values apply only to State-level data. Numbers may not sum due to rounding.